Index to volume 108

Author index*

A

Abraha D (*see* Cho et al). 2001;108:212-4
Abtahi S (*see* Marshall et al). 2001;108:191-7
Adachi M (*see* Kawaguchi et al). 2001;108:804-9
Adams S (*see* Elliot et al). 2001;108:285-7
Addo-Yobo EOD (*see* Woodcock et al). 2001;108:463-5 (Brief communication)
Ahluwalia P, Anderson DF, Wilson SJ, McGill JI, Church MK. Nedocromil sodium and levocabastine reduce the symptoms of conjunctival allergen challenge by different mechanisms. 2001;108:449-54
Ahrens R, Weinberger M. Levalbuterol and racemic albuterol: are there therapeutic differences? 2001;108:681-4 (Editorial)
Aihara M (see Aihara et al). 2001;108:1035-9
Aihara Y, Takahashi Y, Kotoyori T, Mitsuda T, Ito R, Aihara M, Ikezawa Z, Yokota S. Frequency of food-dependent, exercise-induced anaphylaxis in Japanese junior-high-school students. 2001;108:1035-9
Aït-Khaled N (Bousquet et al). 2001;108:S148-S270
Akdis CA (*see* Trautmann et al). 2001;108:839-46
Akdis M (*see* Trautmann et al). 2001;108:839-46
Alenius H (*see* Palosuo et al). 2001;108:634-8
Alexis NE, Peden DB. Blunting airway eosinophilic inflammation results in a decreased airway neutrophil response to inhaled LPS in patients with atopic asthma: a role for CD14. 2001;108:577-80
Allam J-P (*see* Novak et al). 2001;108:588-93
Altmann F (*see* Ballmer-Weber et al). 2001;108:301-7
Altmann F (*see* Hemmer et al). 2001;108:1045-52
Altschul AS, Scherrer DL, Muñoz-Furlong A, Sicherer SH. Manufacturing and labeling issues for commercial products: relevance to food allergy. 2001;108:468 (Letters to the editor)
Amato S (*see* Asero et al). 2001;108:309-10 (Letters to the editor)
Anderson DF (*see* Ahluwalia et al). 2001;108:449-54
Annesi-Maesano I (Bousquet et al). 2001;108:S148-S270
Annunziato F, Cosmi L, Manetti R, Brugnolo F, Parronchi P, Maggi E, Nagata K, Romagnani S. Reversal of human allergenspecific CRTH2+ TH2 cells by IL-12 or the PS-DSP30 oligodeoxynucleotide. 2001;108:815-21
Aoki Y (*see* Zaitsu et al). 2001;108:122-4 (Brief communication)
Apatoff BR (*see* Latov et al). 2001;108:S126-32
Appelbaum ER (*see* Hart et al). 2001;108:250-7
Arinami T (*see* Noguchi et al). 2001;108:382-6
Arkwright PD, Chase JM, Babbage S, Pravica V, David TJ, Hutchinson IV. Atopic dermatitis is associated with a low-producer transforming growth factor β1 cytokine genotype. 2001;108:281-4
Armato F (*see* Vancheri et al). 2001;108:703-8
Arock M (*see* Royer et al). 2001;108:80-6
Arrigo AP (*see* Vignola et al). 2001;108:738-46
Arvidsson P (*see* Lötvall et al). 2001;108:726-31
Asai S (*see* Matsuse et al). 2001;108:715-9
Asero R, Mistrello G, Roncarolo D, Amato S. A case of onion allergy. 2001;108:309-10 (Letters to the editor)
Asero R (*see* Tedeschi et al). 2001;108:467-8 (Letters to the editor)
Avila P (*see* Woodruff et al). 2001;108:753-8

B

Babbage S (*see* Arkwright et al). 2001;108:281-4
Bachert C (Bousquet et al). 2001;108:S148-S270
Baek KJ (*see* Cho et al). 2001;108:697-702
Baena-Cagnani CE (Bousquet et al). 2001;108:S148-S270
Bahlo M (*see* Elliot et al). 2001;108:285-7
Bai TR (*see* Sandford et al). 2001;108:69-73
Baldini M (*see* Holberg et al). 2001;108:772-80
Ballabio C (*see* Fiocchi et al). 2001;108:298-300
Balli F (*see* Viganò et al). 2001;108:439-45
Ballmer-Weber BK, Wüthrich B, Wangorsch A, Fötisch K, Altmann F, Vieths S. Carrot allergy: double-blinded, placebo-controlled food challenge and identification of allergens. 2001;108:301-7
Bankl HC (*see* Laffer et al). 2001;108:409-16
Baroody FM (*see* Blair et al). 2001;108:424-9
Bartolomé B (*see* Brito et al). 2001;108:125-7
Bateman E (Bousquet et al). 2001;108:S148-S270
Bates C (*see* Haselden et al). 2001;108:394-401
Bauer M (*see* Straumann et al). 2001;108:954-61
Baumert U (*see* Golan et al). 2001;108:469 (Correspondence)
Baumgartner RA (*see* Milgrom et al). 2001;108:938-45
Beasley R, Burgess C, Holt S. Comment on call for worldwide withdrawal of BAC from nebulizer solutions. 2001;108:470 (Letter reply)
Beaudouin E (*see* Kanny et al). 2001;108:133-40
Beaudouin E (*see* Kanny et al). 2001;108:1059-60 (Letters to the editor)
Becker A (*see* Tarlo et al). 2001;108:52-8
Behera AK (*see* Kumar et al). 2001;108:402-8
Belfort MA (*see* Branch et al). 2001;108:S133-8
Bellinghausen I, Brand U, Steinbrink K, Enk AH, Knop J, Saloga J. Inhibition of human allergic T-cell responses by IL-10treated dendritic cells: differences from hydrocortisone-treated dendritic cells. 2001;108:242-9

*July, part 1, pp. 1-154; part 2, pp. S1-S64; August, part 1, pp. 155-314; part 2, pp. S65-S88; September, pp. 315-472; October, part 1, pp. 473-658; part 2, pp. S89-S146; November, part 1, pp. 659-878; part 2, pp. S147-S336; December, pp. 879-1102.

Benítez P (*see* Roca-Ferrer et al). 2001;108:87-93
Benno Y (*see* Ouwehand et al). 2001;108:144-5 (Letters to the editor)
Bensch G (*see* Milgrom et al). 2001;108:938-45
Bernal-Sprekelsen M (*see* Roca-Ferrer et al). 2001;108:87-93
Bernstein DI (*see* Bernstein et al). 2001;108:655-6 (Correspondence)
Bernstein IL (*see* Bernstein et al). 2001;108:655-6 (Correspondence)
Bernstein JA, Bernstein IL, Bernstein DI. Allergenicity of cry9c: an unresolved issue. 2001;108:655-6 (Correspondence)
Bethke T (*see* Schmidt et al). 2001;108:530-6
Bieber AJ (*see* Warrington et al). 2001;108:S121-5
Bieber T (*see* Novak et al). 2001;108:588-93
Bieber T (*see* von Bubnoff et al). 2001;108:329-39
Bischof W (*see* Gehring et al). 2001;108:847-54
Bisgaard H (*see* Roorda et al). 2001;108:540-6
Bizer C (*see* Heinisch et al). 2001;108:21-8
Björkstén B, Sepp E, Julge K, Voor T, Mikelsaar M. Allergy development and the intestinal microflora during the first year of life. 2001;108:516-20
Blair C, Nelson M, Thompson K, Boonlayangoor S, Haney L, Gabr, U, Baroody FM, Naclerio RM. Allergic inflammation enhances bacterial sinusitis in mice. 2001;108:424-9
Blaser K (*see* Straumann et al). 2001;108:954-61
Blaser K (*see* Trautmann et al). 2001;108:839-46
Blaylock MG (*see* Sexton et al). 2001;108:962-9
Bleecker ER (*see* Lester et al). 2001;108:357-62
Bleecker ER (*see* Moore et al). 2001;108:908-14
Block M (*see* Xiang et al). 2001;108:116-21
Blumberga G (*see* Mygind et al). 2001;108:S16-25
Blumenthal MN (*see* Lester et al). 2001;108:357-62
Bochner BS (*see* Liu et al). 2001;108:29-38
Boguniewicz M (*see* Cho et al). 2001;108:269-74
Boguniewicz M, Sampson H, Leung SB, Harbeck R, Leung DYM. Effects of cefuroxime axetil on Staphylococcus aureus colonization and superantigen production in atopic dermatitis. 2001;108:651-2 (Letters to the editor)
Bojszkó A (*see* Szalai et al). 2001;108:375-81
Bolte G (*see* Gehring et al). 2001;108:847-54
Boner AL. Effects of intranasal corticosteroids on the hypothalamic-pituitary-adrenal axis in children. 2001;108:S32-9
Boner AL (*see* Peroni et al). 2001;108:308 (Letters to the editor)
Bonham AC (*see* Chen et al). 2001;108:557-62
Bonini S (Bousquet et al). 2001;108:S148-S270
Bonsignore G (*see* Vignola et al). 2001;108:738-46
Boonlayangoor S (*see* Blair et al). 2001;108:424-9
Borja J (*see* Brito et al). 2001;108:125-7
Borte M (*see* Gehring et al). 2001;108:847-54
Boushey HA (*see* Woodruff et al). 2001;108:753-8
Bousquet J. Allergic rhinitis and its impact on asthma: ARIA workshop report. 2001;108:S148-S270
Bousquet J (*see* Vignola et al). 2001;108:738-46
Bouygue GR (*see* Fiocchi et al). 2001;108:298-300
Brahim JJ (*see* Ricciardolo et al). 2001;108:198-204
Branch DW, Porter TF, Paidas MJ, Belfort MA, Gonik B. Obstetric uses of intravenous immunoglobulin: successes, failures, and promises. 2001;108:S133-8
Brandt EB, Rothenberg ME. Eosinophil levels in mice are significantly higher in small bleed vessels than in large blood vessels. 2001;108:142-3 (Letters to the editor)
Brandt EB (*see* Pope et al). 2001;108:594-601
Brand U (*see* Bellinghausen et al). 2001;108:242-9
Bratton DL (*see* Duez et al). 2001;108:547-56
Breiteneder H (*see* Wagner et al). 2001;108:621-7
Breslin L (*see* Liu et al). 2001;108:29-38
Bricalli D (*see* Viganò et al). 2001;108:439-45
Bridts CH (*see* Schuerwegh et al). 2001;108:150-1 (Correspondence)
Brito FF, Mur P, Bartolomé B, Galindo PA, Gómez E, Borja J, Martinez A. Rhinoconjunctivitis and occupational asthma caused by Diplotaxis erucoides (wall rocket). 2001;108:125-7
Bröcker E-B (*see* Trautmann et al). 2001;108:839-46
Broder I (*see* Tarlo et al). 2001;108:52-8
Broide DH (*see* Cho et al). 2001;108:697-702
Broide DH (*see* Hoffman et al). 2001;108:615-20
Broide DH, Stachnick G, Castaneda D, Nayar J, Miller M, Cho J, Roman M, Raz E. Immunostimulatory DNA mediates inhibition of eosinophilic inflammation and airway hyperreactivity independent of natural killer cells in vivo. 2001;108:759-63
Brown AFT, McKinnon D, Chu K. Emergency department anaphylaxis: a review of 142 patients in a single year. 2001;108:861-6
Brown J (*see* Elliot et al). 2001;108:285-7
Brugnolo F (*see* Annunziato et al). 2001;108:815-21
Bruno A (*see* Vignola et al). 2001;108:738-46
Bucchieri F (*see* Mullings et al). 2001;108:832-8
Bucchini L. Allergenic risk from novel plants is very important and difficult to predict. 2001;108:654 (Correspondence)
Buck D (*see* Wagner et al). 2001;108:621-7
Bugarini R (*see* Viganò et al). 2001;108:439-45
Bugelski PJ (*see* Hart et al). 2001;108:250-7
Bungre J (*see* Powell et al). 2001;108:915-7
Burbano C (*see* Crespo et al). 2001;108:295-7 (Brief communication)
Burger JA (*see* Horner et al). 2001;108:417-23
Burgess C (*see* Beasley et al). 2001;108:470 (Letter reply)
Burks AW (*see* Sicherer et al). 2001;108:128-32
Busse W, Corren J, Lanier BQ, McAlary M, Fowler-Taylor A, Cioppa GD, van As A, Gupta N. Omalizumab, anti-IgE recombinant humanized monoclonal antibody, for the treatment of severe allergic asthma. 2001;108:184-90

C

Cable G (*see* Cain et al). 2001;108:918-20
Cain WT, Cable G, Oppenheimer JJ. The ability of the community pharmacist to learn the proper actuation techniques of inhaler devices. 2001;108:918-20
Cambier JC (*see* Ott et al). 2001;108:S95-8
Canonica GW (Bousquet et al). 2001;108:S148-S270

Capriles E (Perez et al). 2001;108:1060-1 (Letters to the editor)
Carlsen K-H (Bousquet et al). 2001;108:S148-S270
Carter MC, Perzanowski MS, Raymond A, Platts-Mills TAE. Home intervention in the treatment of asthma among inner-city children. 2001;108:732-7
Castaneda D (*see* Broide et al). 2001;108:759-63
Castaneda D (*see* Cho et al). 2001;108:697-702
Castellano E (*see* Pezzolo et al). 2001;108:310- (Letters to the editor)
Castro-Rodriguez JA (*see* Remes et al). 2001;108:509-15
Cauwenberge PBV (Bousquet et al). 2001;108:S148-S270
Chakir J (*see* Molet et al). 2001;108:430-8
Chan ES (*see* Simons et al). 2001;108:1040-4
Chanez P (*see* Vignola et al). 2001;108:738-46
Chang Y-S (*see* Park et al). 2001;108:570-6
Chan-Yeung M (*see* Malo and Chan-Yeung). 2001;108:317-28
Chan-Yeung M (*see* Tarlo et al). 2001;108:52-8
Chapman MD (*see* Haselden et al). 2001;108:349-56
Chapoval SP, Marietta EV, Smart MK, David CS. Requirements for allergen-induced airway inflammation and hyperreactivity in CD4-deficient and CD4-sufficient HLA-DQ transgenic mice. 2001;108:764-71
Chase JM (*see* Arkwright et al). 2001;108:281-4
Chateauneuf A (*see* Gervais et al). 2001;108:982-8
Chaudhry V (*see* Latov et al). 2001;108:S126-32
Chee P (*see* Elliot et al). 2001;108:285-7
Chen C-Y, Bonham AC, Schelegle ES, Gershwin LJ, Plopper CG, Joad JP. Extended allergen exposure in asthmatic monkeys induces neuroplasticity in nucleus tractus solitarius. 2001;108:557-62
Chiappara G (*see* Vignola et al). 2001;108:738-46
Chinen J, Easley KA, Mendez H, Shearer WT. Decline of CD3-positive T-cell counts by 6 months of age is associated with rapid disease progression in HIV-1-infected infants. 2001;108:265-8
Cho JY (*see* Broide et al). 2001;108:759-63
Cho JY, Miller M, Baek KJ, Castaneda D, Nayar J, Roman M, Raz E, Broide DH. Immunostimulatory DNA sequences inhibit respiratory syncytial viral load, airway inflammation, and mucus secretion. 2001;108:697-702
Chong S-U (*see* Zuberbier et al). 2001;108:275-80
Cho SH, Hall IP, Wheatley A, Dewar J, Abraha D, Del Mundo J, Lee H, Oh CK. Possible role of the 4G/5G polymorphism of the plasminogen activator inhibitor 1 gene in the development of asthma. 2001:108:212-4
Cho S-H (*see* Park et al). 2001;108:570-6
Cho S-H, Strickland I, Boguniewicz M, Leung DYM. Fibronectin and fibrinogen contribute to the enhanced binding of Staphylococcus aureus to atopic skin. 2001;108:269-74
Cho SY (*see* Park et al). 2001;108:570-6
Chowdhury BA, Meyer RJ. Role of mometasone nasal spray as an adjunct treatment of acute sinusitis. 2001;108:148 (Correspondence)
Christiansen SC (*see* Woodmansee and Christiansen). 2001;108:309 (Letters to the editor)
Christodoulopoulos P (*see* Muro et al). 2001;108:970-5
Chuang S (*see* Grunstein et al). 2001;108:997-1004
Chu K (Brown et al). 2001;108:861-6
Chung KF (*see* Knight et al). 2001;108:797-803
Church MK (*see* Ahluwalia et al). 2001;108:449-54
Cinman N (*see* Horner et al). 2001;108:417-23
Cioppa GD (*see* Busse et al). 2001;108:184-90
Ciric B (*see* Warrington et al). 2001;108:S121-5
Claus R (*see* Milgrom et al). 2001;108:938-45
Cogswell JJ (*see* Rhodes et al). 2001;108:720-5
Conover-Walker MK (*see* Nowak-Wegrzyn et al). 2001;108:146-7 (Letters to the editor)
Conti A (*see* Pastorello et al). 2001;108:145-6 (Letters to the editor)
Cook RM (*see* Hart et al). 2001;108:250-7
Corey P (*see* Tarlo et al). 2001;108:52-8
Corkhill A (*see* Lordan et al). 2001;108:976-81
Corren J (*see* Busse et al). 2001;108:184-90
Corrigan C (*see* Powell et al). 2001;108:915-7
Cosmi L (*see* Annunziato et al). 2001;108:815-21
Cossarizza A (*see* Viganò et al). 2001;108:439-45
Costella S (*see* Peroni et al). 2001;108:308 (Letters to the editor)
Crane J (*see* Siebers et al). 2001;108:652-3 (Letters to the editor)
Craven M (*see* Custovic et al). 2001;108:537-9 (Brief communication)
Craven M (*see* Woodcock et al). 2001;108:463-5 (Brief communication)
Crespo JF, Rodríguez J, Vives R, James JM, Reaño M, Daroca P, Burbano C, Muzquiz M. Occupational IgE-mediated allergy after exposure to lupine seed flour. 2001;108:295-7 (Brief communication)
Crespo JF (*see* Cueva et al). 2001;108:144 (Letters to the editor)
Crespo JF (*see* García-Casado et al). 2001;108:647-9 (Brief communication)
Creticos PS (*see* Marshall et al). 2001;108:191-7
Crimi N (*see* Vancheri et al). 2001;108:703-8
Cruz RPG (*see* Gervais et al). 2001;108:982-8
Cueva B, Izquierdo G, Crespo JF, Rodríguez J. Unexpected spice allergy in the meat industry. 2001;108:144 (Letters to the editor)
Custovic A, Hallam CL, Simpson BM, Craven M, Simpson A, Woodcock A. Decreased prevalence of sensitization to cats with high exposure to cat allergen. 2001;108:537-9 (Brief communication)
Custovic A (*see* Woodcock et al). 2001;108:463-5 (Brief communication)

D

Daheshia M (*see* Daser et al). 2001;108:167-74
Daheshia M (*see* De Sanctis et al). 2001;108:11-20
Dahl R (*see* Mygind et al). 2001;108:S16-25
D'Amico L (*see* Vancheri et al). 2001;108:703-8
Daroca P (*see* Crespo et al). 2001;108:295-7 (Brief communication)
Daser A, Daheshia M, De Sanctis GT. Genetics of allergen-induced asthma. 2001;108:167-74
Daser A (*see* De Sanctis et al). 2001;108:11-20

David CS (*see* Chapoval et al). 2001;108:764-71
David TJ (*see* Arkwright et al). 2001;108:281-4
Davies DE (*see* Lordan et al). 2001;108:976-81
Davies DE (*see* Mullings et al). 2001;108:832-8
Davies RJ (*see* Shaida et al). 2001;108:791-6
Davoine F (*see* Molet et al). 2001;108:430-8
De Clerck LS (*see* Schuerwegh et al). 2001;108:150-1 (Correspondence)
Degitz K (*see* Papi et al). 2001;108:221-8
de Gouw HWFM (*see* Ricciardolo et al). 2001;108:198-204
de Groot H (*see* Hoffman et al). 2001;108:855-60
Del Mundo J (*see* Cho et al). 2001;108:212-4
De Lucca SD (*see* Tovey et al). 2001;108:369-74
de Miguel J (*see* Quirce et al). 2001;108:143 (Letters to the editor)
Demoly P (Bousquet et al). 2001;108:S148-S270
Dent G (*see* Lordan et al). 2001;108:976-81
De Sanctis GT, Daheshia M, Daser A. Genetics of airway hyperresponsiveness. 2001;108:11-20
De Sanctis GT (*see* Daser et al). 2001;108:167-74
DeSimone J (*see* Furlong et al). 2001;108:867-70
Devalia J (*see* Shaida et al). 2001;108:791-6
Dewar J (*see* Cho et al). 2001;108:212-4
Deykin A (*see* Nakamura et al). 2001;108:946-53
Díaz FJ (*see* Quirce et al). 2001;108:143 (Letters to the editor)
Dibildox J. Safety and efficacy of mometasone furoate aqueous nasal spray in children with allergic rhinitis: results of recent clinical trials. 2001;108:S54-8
Disch R (*see* Trautmann et al). 2001;108:839-46
Djukanović R (*see* Lordan et al). 2001;108:976-81
Djukanović R (*see* Mullings et al). 2001;108:832-8
Drazen JM (*see* Nakamura et al). 2001;108:946-53
Duez C, Tomkinson A, Shultz LD, Bratton DL, Gelfand EW. Fas deficiency delays the resolution of airway hyperresponsiveness after allergen sensitization and challenge. 2001;108:547-56
Dunston GM (*see* Lester et al). 2001;108:357-62
Dunzendorfer S, Kaneider NC, Kaser A, Woell E, Frade JMR, Mellado M, Martinez-Alonso C, Wiedermann CJ. Functional expression of chemokine receptor 2 by normal human eosinophils. 2001;108:581-7
Durham SR (Bousquet et al). 2001;108:S148-S270
Durham SR (*see* Nouri-Aria et al). 2001;108:205-11
Dworski R (*see* Haselden et al). 2001;108:394-401

E

Easley KA (*see* Chinen et al). 2001;108:265-8
Easty A (*see* Tarlo et al). 2001;108:628-33
Ebo DG (*see* Schuerwegh et al). 2001;108:150-1 (Correspondence)
Eggleston PA. Clinical trials of allergen avoidance in established asthma. 2001;108:685-7 (Editorial)
Eiden JJ (*see* Marshall et al). 2001;108:191-7
El-Choufani SE (see Hoffman et al). 2001;108:855-60
Elias JA (*see* Molet et al). 2001;108:430-8
Elias JA (*see* Zheng et al). 2001;108:489-96
Elliot K, Fitzpatrick E, Hill D, Brown J, Adams S, Chee P, Stewart G, Fulcher D, Tang M, Kemp A, King E, Varigos G, Bahlo M, Forrest S. The-590C/T and-34C/T interlukin-4 promoter polymorphisms are not associated with atopic eczema in childhood. 2001;108:285-7
Enarson D (Bousquet et al). 2001;108:S148-S270
Enk AH (*see* Bellinghausen et al). 2001;108:242-9
Erickson RP (*see* Holberg et al). 2001;108:772-80
Essayan DM. Cyclic nucleotide phosphodiesterases. 2001;108:671-80
Eubanks K (*see* Tarlo et al). 2001;108:628-33
Eustis S (*see* Hart et al). 2001;108:250-7

F

Facchetti P (*see* Pezzolo et al). 2001;108:310-1 (Letters to the editor)
Fahlbusch B (*see* Gehring et al). 2001;108:847-54
Fahy JV (*see* Hays et al). 2001;108:784-90
Fahy JV (*see* Woodruff et al). 2001;108:753-8
Falus A (*see* Szalai et al). 2001;108:375-81
Farioli L (*see* Pastorello et al). 2001;108:145-6 (Letters to the editor)
Féger F (*see* Royer et al). 2001;108:80-6
Felger D (*see* Niggemann et al). 2001;108:1053-8
Ferguson A (*see* Tarlo et al). 2001;108:52-8
Fernandez-Caldas E (*see* Sastre et al). 2001;108:650-1 (Letters to the editor)
Fernández-Nieto M (*see* Quirce et al). 2001;108:143 (Letters to the editor)
Fernández-Nieto M (*see* Sastre et al). 2001;108:650-1 (Letters to the editor)
Ferrando RE (*see* Hays et al). 2001;108:784-90
Feuring M (*see* Schmidt et al). 2001;108:530-6
Fiocchi A, Restani P, Ballabio C, Bouygue GR, Serra A, Travaini M, Terracciano L. Severe anaphylaxis induced by latex as a contaminant of plastic balls in play pits. 2001;108:298-300
Fischer B (*see* Straumann et al). 2001;108:954-61
Fisher SW (*see* Gordon et al). 2001;108:288-94
FitzGerald JM (*see* Sandford et al). 2001;108:69-73
Fitzharris P (*see* Siebers et al). 2001;108:652-3 (Letters to the editor)
Fitzpatrick E (*see* Elliot et al). 2001;108:285-7
Flabbee J (*see* Kanny et al). 2001;108:133-40
Focke M (*see* Hemmer et al). 2001;108:1045-52
Fokkens WJ (Bousquet et al). 2001;108:S148-S270
Fong DC (*see* Ott et al). 2001;108:S95-8
Forrest S (*see* Elliot et al). 2001;108:285-7
Foster PS (*see* Pope et al). 2001;108:594-601
Fötisch K (*see* Ballmer-Weber et al). 2001;108:301-7
Fowler-Taylor A (see Busse et al). 2001;108:184-90
Frade JMR (*see* Dunzendorfer et al). 2001;108:581-7
Freidhoff LR (*see* Liu et al). 2001;108:29-38
Frew AJ, Plummeridge MJ. Alternatives agents in asthma. 2001;108:3-10
Fuhlbrigge AL (*see* Paltiel et al). 2001;108;39-46
Fukushima C (*see* Matsuse et al). 2001;108:715-9
Fulcher D (*see* Elliot et al). 2001;108:285-7
Fung P (*see* Hays et al). 2001;108:784-90
Furlong TJ (*see* Sicherer et al). 2001;108:128-32
Furlong TJ, DeSimone J, Sicherer SH. Peanut and tree nut

allergic reactions in restaurants and other food establishments. 2001;108:867-70
Futatani T (*see* Kanegane et al). 2001;108:1012-20

G

Gabiot A-C (*see* Royer et al). 2001;108:80-6
Gabr U (*see* Blair et al). 2001;108:424-9
Gagliardo R (*see* Vignola et al). 2001;108:738-46
Gaillard D (*see* Hubeau et al). 2001;108:524-9
Gale S (*see* Gervais et al). 2001;108:982-8
Galindo PA (*see* Brito et al). 2001;108:125-7
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Schroeder JT (*see* Liu et al). 2001;108:29-38
Schroeder JT (*see* Sin et al). 2001;108:387-93
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Schwartz LB (*see* Nouri-Aria et al). 2001;108:205-11
Schwartz LW (*see* Hart et al). 2001;108:250-7
Segal M (*see* Woodruff et al). 2001;108:753-8
Sellers TS (*see* Hart et al). 2001;108:250-7
Sepp E (*see* Björkstén et al). 2001;108:516-20
Serizawa N (*see* Hirahara et al). 2001;108:94-100
Serra A (*see* Fiocchi et al). 2001;108:298-300
Sewell WA (*see* Quan et al). 2001;108:340-8
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Shearer WT (*see* Chinen et al). 2001;108:265-8
Shearer WT (*see* Paul et al). 2001;108:258-64
Shelhamer J (*see* Roca-Ferrer et al). 2001;108:87-93
Shibasaki M (*see* Noguchi et al). 2001;108:382-6
Shimoda T (*see* Matsuse et al). 2001;108:715-9
Shinozaki K (*see* Kanegane et al). 2001;108:1012-20
Shiraishi A (*see* Hirahara et al). 2001;108:94-100
Shirley K (*see* Haselden et al). 2001;108:394-401
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Shukla A (*see* Mygind et al). 2001;108:S16-25
Shultz LD (*see* Duez et al). 2001;108:547-56
Sicherer SH. Clinical implications of cross-reactive food allergens. 2001;108:881-90
Sicherer SH (*see* Altschul et al). 2001;108:468 (Letters to the editor)
Sicherer SH (*see* Furlong et al). 2001;108:867-70
Sicherer SH (*see* Nowak-Wegrzyn et al). 2001;108:146-7 (Letters to the editor)
Sicherer SH, Furlong TJ, Muñoz-Furlong A, Burks AW, Sampson HA. A voluntary registry for peanut and tree nut allergy: characteristics of the first 5149 registrants. 2001;108:128-32
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Siegal FP (*see* Shodell and Siegal). 2001;108:446-8 (Brief communication)
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Siekmann L (*see* Novak et al). 2001;108:588-93
Siena L (*see* Vignola et al). 2001;108:738-46
Simon H-U (*see* Heinisch et al). 2001;108:21-8
Simon H-U (*see* Straumann et al). 2001;108:954-61
Simon RA (*see* Stevenson and Simon). 2001;108:47-51
Simons FER (Bousquet et al). 2001;108:S148-S270
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Simons KJ (*see* Simons et al). 2001;108:871-3 (Brief communication)
Simons KJ (*see* Simons et al). 2001;108:1040-4
Simpson A (*see* Custovic et al). 2001;108:537-9 (Brief communication)
Simpson BM (*see* Custovic et al). 2001;108:537-9 (Brief communication)
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pathophysiology, detection, and diagnosis. 2001;108:S2-8
Skoner DP (*see* Milgrom et al). 2001;108:938-45
Smart MK (*see* Chapoval et al). 2001;108:764-71
Smith MM (*see* Hoffman et al). 2001;108:855-60
Soldan MP (*see* Warrington et al). 2001;108:S121-5
Solomon S (*see* Holberg et al). 2001;108:772-80
Solway J (*see* Lester et al). 2001;108:357-62
Sommerfeld C (*see* Illi et al). 2001;108:709-14
Sommerfeld C (*see* Niggemann et al). 2001;108:1053-8
Song CH (*see* Lee et al). 2001;108:1021-6
Sonna LA (*see* Nakamura et al). 2001;108:946-53
Sont JK (*see* Ricciardolo et al). 2001;108:198-204
Sora R (*see* Vonakis et al). 2001;108:822-31
Sowka S (*see* Wagner et al). 2001;108:621-7
Spector TD (*see* Strachan et al). 2001;108:901-7
Sperr WR (*see* Laffer et al). 2001;108:409-16
Spiegelberg HL (*see* Horner et al). 2001;108:417-23
Sporik R (*see* Rhodes et al). 2001;108:720-5
Srivastava K (*see* Li et al). 2001;108:639-46
Stachnick G (*see* Broide et al). 2001;108:759-63
Stanciu LA (*see* Papi et al). 2001;108:221-8
Stealey BA (*see* Liu et al). 2001;108:29-38
Steinbrink K (*see* Bellinghausen et al). 2001;108:242-9
Stephan E (*see* Schmid-Ott et al). 2001;108:455-62
Sterk PJ (*see* Ricciardolo et al). 2001;108:198-204
Stevenson DD, Simon RA. Lack of cross-reactivity between rofecoxib and aspirin in aspirin-sensitive patients with asthma. 2001;108:47-51
Stevenson LA, Gergen PJ, Hoover DR, Rosenstreich D, Mannino DM, Matte TD. Sociodemographic correlates of indoor allergen sensitivity among United States children. 2001;108:747-52
Stevens WJ (*see* Schuerwegh et al). 2001;108:150-1 (Correspondence)
Stewart G (*see* Elliot et al). 2001;108:285-7
Stewart GA (*see* Knight et al). 2001;108:797-803
Strachan DP, Wong J, Spector TD. Concordance and interrelationship of atopic diseases and markers of allergic sensitization among adult female twins. 2001;108:901-7
Straumann A, Bauer M, Fischer B, Blaser K, Simon H-U. Idiopathic eosinophilic esophagitis is associated with a TH2-type allergic inflammatory response. 2001;108:954-61
Strickland I (*see* Cho et al). 2001;108:269-74
Stuck BA (*see* Schmidt et al). 2001;108:530-6
Sueishi M (*see* Uchida et al). 2001;108:1005-11
Sung YC (*see* Park et al). 2001;108:570-6
Syrigou E (*see* Haselden et al). 2001;108:349-56
Szabó T (*see* Szalai et al). 2001;108:375-81
Szalai C, Kozma GT, Nagy A, Bojszkó A, Krikovszky D, Szabó T, Falus A. Polymorphism in the gene regulatory region of MCP-1 is associated with asthma susceptibility and severity. 2001;108:375-81
Szczeklik A (Bousquet et al). 2001;108:S148-S270
Szefler SJ. Pharmacokinetics of intranasal corticosteroids. 2001;108:S26-31
Szefler SJ (*see* Leung et al). 2001;108:1-2, 155-6, 315-6, 473-4, 659-60, 879-80

T

Taggart SCO (*see* Woodcock et al). 2001;108:463-5 (Brief communication)
Taggart V (*see* Weller et al). 2001;108:175-83
Taha R (*see* Lemière et al). 2001;108:521-3 (Brief communication)
Taha R (*see* Molet et al). 2001;108:430-8
Taha R (*see* Muro et al). 2001;108:970-5
Takabayashi K (*see* Horner et al). 2001;108:417-23
Takahashi Y (*see* Aihara et al). 2001;108:1035-9
Takatori T (*see* Hirahara et al). 2001;108:94-100
Takishita T (*see* Okano et al). 2001;108:101-8
Tanabe E (*see* Uchida et al). 2001;108:1005-11
Tang M (*see* Elliot et al). 2001;108:285-7
Taniguchi Y (*see* Hirahara et al). 2001;108:94-100
Tarlo SM, Easty A, Eubanks K, Parsons CR, Min F, Juvet S, Liss GM. Outcomes of a natural rubber latex control program in an Ontario teaching hospital. 2001;108:628-33
Tarlo SM, Broder I, Corey P, Chan-Yeung M, Ferguson A, Becker A, Rogers C, Okada M, Manfreda J. The role of symptomatic colds in asthma exacerbations: influence of outdoor allergens and air pollutants. 2001;108:52-8
Tashkin DP (*see* Ziment and Tashkin). 2001;108:150 (Letter reply)
Tatsuta T (*see* Hirahara et al). 2001;108:94-100
Taylor DJ (*see* Tovey et al). 2001;108:369-74
Taylor SL, Hefle SL. Allergenicity of cry9c: an unresolved issue. 2001;108:656 (Letter reply)
Taylor SL (*see* Yunginger et al). 2001;108:650 (Letters to the editor)
Taylor SL, Hefle SL. Allergenic risk from novel plants is very important and difficult to predict. 2001;108:654-5 (Letter reply)
Tedeschi A, Lorini M, Asero R. Anti-thyroid peroxidase IgE in patients with chronic urticaria. 2001;108:467-8 (Letters to the editor)
Teper AA (*see* Li et al). 2001;108:639-46
Terada T, Kaneko H, Li AL, Kasahara K, Ibe M, Yokota S, Kondo N. Analysis of Ig subclass deficiency: first reported case of IgG2, IgG4, and IgA deficiency caused by deletion of Cα1, ωCγ, Cγ2, Cγ4, and Cε in a Mongoloid patient. 2001;108:602-6
Terracciano L (*see* Fiocchi et al). 2001;108:298-300
Thawley SE (*see* Hamilos et al). 2001;108:59-68
Thestrup-Pedersen K (*see* Higashi et al). 2001;108:607-14
Thevenin F (*see* Kanny et al). 2001;108:133-40
Thomas P (*see* Rhodes et al). 2001;108:720-5
Thompson K (*see* Blair et al). 2001;108:424-9
Thompson PJ (*see* Knight et al). 2001;108:797-803
Till S (*see* Powell et al). 2001;108:915-7
Till SJ (*see* Nouri-Aria et al). 2001;108:205-11
Timmers MC (*see* Ricciardolo et al). 2001;108:198-204
Timmer WE (*see* Schmidt et al). 2001;108:530-6
Togias A (*see* Lester et al). 2001;108:357-62
Togias A (*see* Sin et al). 2001;108:387-93
Tomari S-Y (*see* Matsuse et al). 2001;108:715-9
Tomaselli V (*see* Vancheri et al). 2001;108:703-8
Tomkinson A (*see* Duez et al). 2001;108:547-56
Tonnel A-B (*see* Muro et al). 2001;108:970-5

Tovey ER, Taylor DJ, Mitakakis TZ, De Lucca SD. Effectiveness of laundry washing agents and conditions in the removal of cat and dust mite allergen from bedding dust. 2001;108:369-74
Trambaioli C (*see* Pastorello et al). 2001;108:145-6 (Letters to the editor)
Trautmann A, Akdis M, Schmid-Grendelmeier P, Disch R, Bröcker E-B, Blaser K, Akdis CA. Targeting keratinocyte apoptosis in the treatment of atopic dermatitis and allergic contact dermatitis. 2001;108:839-46
Travaini M (*see* Fiocchi et al). 2001;108:298-300
Trontell A (*see* Weller et al). 2001;108:175-83
Tsicopoulos A (*see* Muro et al). 2001;108:970-5
Tsui P (*see* Hart et al). 2001;108:250-7
Tsukada S (*see* Kanegane et al). 2001;108:1012-20
Tuck S (*see* Marshall et al). 2001;108:191-7

U

Uchida Y, Kurasawa K, Nakajima H, Nakagawa N, Tanabe E, Sueishi M, Saito Y, Iwamoto I. Increase of dendritic cells of type 2 (DC2) by altered response to IL-4 in atopic patients. 2001;108:1005-11
Udey MC (*see* Jakob et al). 2001;108:688-96

V

Valenta R (*see* Grote et al). 2001;108:109-15
Valenta R (*see* Laffer et al). 2001;108:409-16
Valent P (*see* Laffer et al). 2001;108:409-16
Valovirta E (Bousquet et al). 2001;108:S148-S270
van As A (*see* Busse et al). 2001;108:184-90
Vance GHS (*see* Jones et al). 2001;108:235-41
Vancheri C, Mastruzzo C, Armato F, Tomaselli V, Magrì S, Pistorio MP, LaMicela M, D'Amico L, Crimi N. Intranasal heparin reduces eosinophil recruitment after nasal allergen challenge in patients with allergic rhinitis. 2001;108:703-8
Vangelista L (*see* Laffer et al). 2001;108:409-16
Van Keulen V (*see* Warrington et al). 2001;108:S121-5
van Krieken JHJM (*see* Ricciardolo et al). 2001;108:198-204
Van Nest G (*see* Marshall et al). 2001;108:191-7
van Schadewijk A (*see* Ricciardolo et al). 2001;108:198-204
van Wijk RG (Bousquet et al). 2001;108:S148-S270
Varadaradjalou S (*see* Royer et al). 2001;108:80-6
Varga EM (*see* Nouri-Aria et al). 2001;108:205-11
Varigos G (*see* Elliot et al). 2001;108:285-7
Varjonen E (*see* Palosuo et al). 2001;108:634-8
Vella S (*see* Viganò et al). 2001;108:439-45
Venge P (*see* Rak et al). 2001;108:921-8
Ventresca GP (*see* Lötvall et al). 2001;108:726-31
Vercellotti GM. Overview of infections and cardiovascular diseases. 2001;108:S117-20
Viale M (*see* Pezzolo et al). 2001;108:310- (Letters to the editor)
Vicentini L (*see* Peroni et al). 2001;108:308 (Letters to the editor)
Vieths S (*see* Ballmer-Weber et al). 2001;108:301-7
Viganò A, Pinti M, Nasi M, Moretti L, Balli F, Mussini C, Bricalli D, Sala N, Bugarini R, Vella S, Principi N, Cossarizza A. Markers of cell death-activation in lymphocytes of vertically HIV-infected children naive to highly active antiretroviral therapy: the role of age. 2001;108:439-45
Vignola AM (Bousquet et al). 2001;108:S148-S270
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Vives R (*see* Crespo et al). 2001;108:295-7 (Brief communication)
Vogelsang H (*see* Siegmund et al). 2001;108:151 (Letter reply)
Volgger W (*see* Heinisch et al). 2001;108:21-8
Vonakis BM, Gibbons S, Sora R, Langdon JM, MacDonald SM. Src homology 2 domain-containing inositol 5' phosphatase is negatively associated with histamine release to human recombinant histamine-releasing factor in human basophils. 2001;108:822-31
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von Mutius E (*see* Illi et al). 2001;108:709-14
Voor T (*see* Björkstén et al). 2001;108:516-20
Vrtala S (*see* Grote et al). 2001;108:109-15

W

Wagner B, Buck D, Hafner C, Sowka S, Niggemann B, Scheiner O, Breiteneder H. Hev b 7 is a Hevea brasiliensis protein associated with latex allergy in children with spina bifida. 2001;108:621-7
Wahn U (*see* Illi et al). 2001;108:709-14
Wahn U (*see* Niggemann et al). 2001;108:1053-8
Wallaert B (*see* Muro et al). 2001;108:970-5
Walsh GM (*see* Sexton et al). 2001;108:962-9
Wanderer AA (*see* Hoffman et al). 2001;108:615-20
Wang D-Y (Bousquet et al). 2001;108:S148-S270
Wang H (*see* Zhu et al). 2001;108:989-96
Wang J (*see* Zheng et al). 2001;108:489-96
Wangorsch A (*see* Ballmer-Weber et al). 2001;108:301-7
Wang Y (*see* Kanegane et al). 2001;108:1012-20
Ward J (*see* Lötvall et al). 2001;108:726-31
Warner JO. A double-blind, randomized, placebo-controlled trial of cetirizine in preventing the onset of asthma in children with atopic dermatitis: 18 months' treatment and 18 months' posttreatment follow-up. 2001;08:929-37
Warner JO (Bousquet et al). 2001;108:S148-S270
Warner JO (*see* Jones et al). 2001;108:235-41
Warrington AE, Bieber AJ, Ciric B, Van Keulen V, Pease LR, Mitsunaga Y, Soldan MP, Rodriguez M. Immunoglobulin-mediated CNS repair. 2001;108:S121-5
Wehling M (*see* Schmidt et al). 2001;108:530-6
Weinberger M (*see* Ahrens and Weinberger). 2001;108:681-4 (Editorial)
Weiss KB (Bousquet et al). 2001;108:S148-S270
Weiss ST (*see* Paltiel et al). 2001;108;39-46
Welker P (*see* Zuberbier et al). 2001;108:275-80
Weller PF (*see* Lacy et al). 2001;108:895-900
Weller PF, Plaut M, Taggart V, Trontell A. The relationship

of asthma therapy and Churg-Strauss syndrome: NIH workshop summary report. 2001;108:175-83
Wenderoth A (*see* Ruëff et al). 2001;108:1027-32
Wen F-Q (*see* Zhu et al). 2001;108:989-96
Werfel T (*see* Schmid-Ott et al). 2001;108:455-62
Wheatley A (*see* Cho et al). 2001;108:212-4
Whelan R (*see* Grunstein et al). 2001;108:997-1004
White B (*see* Moore et al). 2001;108:908-14
Wichmann H-E (*see* Gehring et al). 2001;108:847-54
Widhopf GF (*see* Horner et al). 2001;108:417-23
Wiedermann CJ (*see* Dunzendorfer et al). 2001;108:581-7
Wiermann R (*see* Grote et al). 2001;108:109-15
Wilson BH (*see* Hemmer et al). 2001;108:1045-52
Wilson SJ (*see* Ahluwalia et al). 2001;108:449-54
Wilson SJ (*see* Lordan et al). 2001;108:976-81
Wilson SJ (*see* Mullings et al). 2001;108:832-8
Wisnewski PL (*see* Moore et al). 2001;108:908-14
Woell E (*see* Dunzendorfer et al). 2001;108:581-7
Wöhrl S (*see* Hemmer et al). 2001;108:1045-52
Wolf RL (*see* Lester et al). 2001;108:357-62
Wong HCG. Adverse and allergic reactions in complementary and alternative medicine. 2001;108:149 (Correspondence)
Wong HH (*see* Hays et al). 2001;108:784-90
Wong J (*see* Strachan et al). 2001;108:901-7
Woodcock A (*see* Custovic et al). 2001;108:537-9 (Brief communication)
Woodcock A, Addo-Yobo EOD, Taggart SCO, Craven M, Custovic A. Pet allergen levels in homes in Ghana and the United Kingdom. 2001;108:463-5 (Brief communication)
Woodmansee DP, Christiansen SC. Improvement in atopic dermatitis in infants with the introduction of an elemental formula. 2001;108:309 (Letters to the editor)
Wood RA (*see* Nowak-Wegrzyn et al). 2001;108:146-7 (Letters to the editor)
Woodruff PG (*see* Hays et al). 2001;108:784-90
Woodruff PG, Khashayar R, Lazarus SC, Janson S, Avila P, Boushey HA, Segal M, Fahy JV. Relationship between airway inflammation, hyperresponsiveness, and obstruction in asthma. 2001;108:753-8
Wright AL (*see* Remes et al). 2001;108:509-15
Wüthrich B (*see* Ballmer-Weber et al). 2001;108:301-7

X

Xaubet A (*see* Roca-Ferrer et al). 2001;108:87-93
Xiang Z, Block M, Löfman C, Nilsson G. IgE-mediated mast cell degranulation and recovery monitored by time-lapse photography. 2001;108:116-21
Xiao H (*see* Liu et al). 2001;108:29-38

Y

Yamaguchi E (*see* Hizawa et al). 2001;108:74-9
Yamaguchi E (*see* Konno et al). 2001;108:810-4
Yamaguchi M (*see* Nagase et al). 2001;108:563-9
Yamaguchi M (*see* Yoshimura et al). 2001;108:215-20
Yamakawa-Kobayashi K (*see* Noguchi et al). 2001;108:382-6
Yamamoto K (*see* Nagase et al). 2001;108:563-9
Yamamoto K (*see* Yoshimura et al). 2001;108:215-20
Ying S (*see* Haselden et al). 2001;108:394-401
Yokota S (*see* Aihara et al). 2001;108:1035-9
Yokota S (*see* Terada et al). 2001;108:602-6
Yokouchi Y (*see* Noguchi et al). 2001;108:382-6
Yokoyama M (*see* Okano et al). 2001;108:101-8
Yoshimura C, Miyamasu M, Nagase H, Iikura M, Yamaguchi M, Kawanami O, Morita Y, Iwata T, Yamamoto K, Hirai K. Glucocorticoids induce basophil apoptosis. 2001;108:215-20
Yoshino T (*see* Okano et al). 2001;108:101-8
Yunginger JW, Jones RT, Kita H, Saito K, Hefle SL, Taylor SL. Allergic reactions after ingestion of erythritol-containing foods and beverages. 2001;108:650 (Letters to the editor)
Yu Z (*see* Grunstein et al). 2001;108:997-1004

Z

Zaitsu M, Hamasaki Y, Aoki Y, Miyazaki S. A novel pharmacologic action of glucocorticosteroids on leukotriene C4 catabolism. 2001;108:122-4 (Brief communication)
Zhang L (*see* Li et al). 2001;108:639-46
Zhang T-F (*see* Li et al). 2001;108:639-46
Zhao CQ (*see* Hays et al). 2001;108:784-90
Zheng T, Zhu Z, Wang J, Homer RJ, Elias JA. IL-11: insights in asthma from overexpression transgenic modeling. 2001;108:489-96
Zhuang Q, Mazer B. Inhibition of IgE production in vitro by intact and fragmented intravenous immunoglobulin. 2001;108:229-34
Zhu S (*see* Sandford et al). 2001;108:69-73
Zhu YK, Liu X, Wang H, Kohyama T, Wen F-Q, Sköld M, Rennard SI. Interactions between monocytes and smooth-muscle cells can lead to extracellular matrix degradation. 2001;108:989-96
Zhu Z (*see* Zheng et al). 2001;108:489-96
Zia-Amirhosseini P (*see* Hart et al). 2001;108:250-7
Ziegert M (*see* Niggemann et al). 2001;108:1053-8
Ziment I, Tashkin DP. Adverse and allergic reactions in complementary and alternative medicine. 2001;108:150 (Letter reply)
Zimmermann KC, Green DR. How cells die: apoptosis pathways. 2001;108:S99-103
Zimmermann N (*see* Pope et al). 2001;108:594-601
Zuberbier T, Chong S-U, Grunow K, Guhl S, Welker P, Grassberger M, Henz BM. The ascomycin macrolactam pimecrolimus (Elidel, SDZ ASM 981) is a potent inhibitor of mediator release from human dermal mast cells and peripheral blood basophils. 2001;108:275-80
Zweiman B, Rothenberg ME. Beyond our pages. 2001;108:153-4, 313-4, 471-2, 657-8, 877-8, 1063-4
Zweiman B (*see* Irani et al). 2001;108:874 (Letters to the editor)

Subject index*

A

Acetaldehyde dehydrogenase
Screening for acetaldehyde dehydrogenase 2 genotype in alcohol-induced asthma by using the ethanol patch test (Matsuse et al). 2001;108:715-9

Actuation techniques
The ability of the community pharmacist to learn the proper actuation techniques of inhaler devices (Cain et al). 2001;108:918-20

Adenoidectomy
The role of adjuvant adenoidectomy and tonsillectomy in the outcome of the insertion of tympanostomy tubes (Zweiman and Rothenberg). 2001;108:314 (Beyond our pages)

Adverse reactions; see Drug reactions

Africa
Pet allergen levels in homes in Ghana and the United Kingdom (Woodcock et al). 2001;108:463-5 (Brief communication)
Risk factors for asthma in urban Ghana (Addo-Yobo et al). 2001;108:363-8

Agammaglobulinemia
Clinical and mutational characteristics of X-linked agammaglobulinemia and its carrier identified by flow cytometric assessment combined with genetic analysis (Kanegane et al). 2001;108:1012-20

Air pollutants
The role of symptomatic colds in asthma exacerbations: influence of outdoor allergens and air pollutants (Tarlo et al). 2001;108:52-8

Airway(s)
Distinct pattern of immune cell population in the lung of human fetuses with cystic fibrosis (Hubeau et al). 2001;108:524-9
Eotaxin expression in the airways of subjects with atopic asthma (Zweiman and Rothenberg). 2001;108:657 (Beyond our pages)
Imbalance in innate immunity: early inflammation in CF airways? (Leung et al). 2001;108:474 (The editors' choice)
Role of IL-17 in airway inflammation and remodeling (Leung et al). 2001;108:316 (The editors' choice)

Airway hyperresponsiveness
Allergen-induced impairment of bronchoprotective nitric oxide synthesis in asthma (Ricciardolo et al). 2001;108:198-204
Fas deficiency delays the resolution of airway hyperresponsiveness after allergen sensitization and challenge (Duez et al). 2001;108:547-56
Genetics of airway hyperresponsiveness (De Sanctis et al). 2001;108:11-20
Immunostimulatory DNA mediates inhibition of eosinophilic inflammation and airway hyperreactivity independent of natural killer cells in vivo (Broide et al). 2001;108:759-63
Relationship between airway inflammation, hyperresponsiveness, and obstruction in asthma (Woodruff et al). 2001;108:753-8
Rhinovirus elicits proasthmatic changes in airway responsiveness independently of viral infection (Grunstein et al). 2001;108:997-1004

Airway inflammation
Allergen challenge causes inflammation but not goblet cell degranulation in asthmatic subjects (Hays et al). 2001;108:784-90
Allergic inflammation enhances bacterial sinusitis in mice (Leung et al). 2001;108:315 (The editors' choice)
Allergic inflammation enhances bacterial sinusitis in mice (Blair et al). 2001;108:424-9
Blunting airway eosinophilic inflammation results in a decreased airway neutrophil response to inhaled LPS in patients with atopic asthma: a role for CD14 (Alexis and Peden). 2001;108:577-80
Distinct pattern of immune cell population in the lung of human fetuses with cystic fibrosis (Hubeau et al). 2001;108:524-9
Effects of inhaled salmeterol on bronchial inflammation (Zweiman and Rothenberg). 2001;108:313 (Beyond our pages)
Protease-activated receptors in human airways: upregulation of PAR-2 in respiratory epithelium from patients with asthma (Knight et al). 2001;108:797-803
Relationship between airway inflammation, hyperresponsiveness, and obstruction in asthma (Woodruff et al). 2001;108:753-8
Requirements for allergen-induced airway inflammation and hyperreactivity in CD4-deficient and CD4-sufficient HLA-DQ transgenic mice (Chapoval et al). 2001;108:764-71
Role of IL-17 in airway inflammation and remodeling (Leung et al). 2001;108:316 (The editors' choice)

Albuterol
Levalbuterol and racemic albuterol: are there therapeutic differences? (Ahrens and Weinberger). 2001;108:681-4 (Editorial)
Low-dose levalbuterol in children with asthma: safety and efficacy in comparison with placebo and racemic albuterol (Milgrom et al). 2001;108:938-45
The therapeutic ratio of R-albuterol is comparable with that of RS-albuterol in asthmatic patients (Lötvall et al). 2001;108:726-31

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Allergenicity

Allergenicity of cry9c: an unresolved issue (Bernstein et al). 2001;108:655-6 (Correspondence)

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Allergen-induced impairment of bronchoprotective nitric oxide synthesis in asthma (Ricciardolo et al). 2001;108:198-204

Allergic rhinitis and its impact on asthma: ARIA workshop report (Bousquet et al). 2001;108:S162-S170

Basophils are recruited and express IL-4 during human allergen-induced asthma (Leung et al). 2001;108:156 (The editor's choice)

Carrot allergy: double-blinded, placebo-controlled food challenge and identification of allergies (Ballmer-Weber et al). 2001;108:?01-7

Clinical trials of allergen avoidance in established asthma (Eggleston). 2001;108:685-7 (Editorial)

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Effective allergen avoidance reduces residual volume and sputum eosinophils in children with asthma (Peroni et al). 2001;108:308 (Letters to the editor)

Elimination of mouse allergens in the working environment: assessment of individually ventilated cage systems and ventilated cabinets in the containment of mouse allergens (Gordon et al). 2001;108:288-94

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Genetics of allergen-induced asthma (Daser et al). 2001;108:167-74

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Mode of action of intranasal corticosteroids (Mygind et al). 2001;108:S16-25

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Proliferation and release of IL-5 and IFN-γ by peripheral blood mononuclear cells from cat-allergic asthmatics and rhinitis, non-cat-allergic asthmatics, and normal controls to peptides derived from Fel d 1 chain 1 (Haselden et al). 2001;108:349-56

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Allergens and trigger factors (Bousquet et al). 2001;108:S162-S170

Classification (Bousquet et al). 2001;108:S150-S152

Co-morbidity and complications (Bousquet et al). 2001;108:S198-S207
Diagnosis and assessment of severity (Bousquet et al). 2001;108:S208-S219
Education (Bousquet et al). 2001;108:S256
Epidemiology and genetics (Bousquet et al). 2001;108:S153-S161
Introduction (Bousquet et al). 2001;108:S148-S149
Management (Bousquet et al). 2001;108:S220-S255
Mechanisms (Bousquet et al). 2001;108:S171-S195
Non-infectious, non-allergic rhinitis (Bousquet et al). 2001;108:S196-S197
Prevention of rhinitis (Bousquet et al). 2001;108:S257
Quality of life (Bousquet et al). 2001;108:S258-S260
Recommendations for developing countries (Bousquet et al). 2001;108:S266-S270
The social and economic impact of asthma and rhinitis (Bousquet et al). 2001;108:S261-S263
Unmet needs and research (Bousquet et al). 2001;108:S264-S265

Allergies
Allergy development and the intestinal microflora during the first year of life (Björkstén et al). 2001;108:516-20
Antigen-presenting cells in allergy (von Bubnoff et al). 2001;108:329-39
Concordance and interrelationship of atopic diseases and markers of allergic sensitization among adult female twins (Strachan et al). 2001;108:901-7
Frequency of food-dependent, exercise-induced anaphylaxis in Japanese junior-high-school students (Aihara et al). 2001;108:1035-9
Further support for the hygiene hypothesis (Leung et al). 2001;108:474 (The editors' choice)
Increase of dendritic cells of type 2 (DC2) by altered response to IL-4 in atopic patients (Uchida et al). 2001;108:1005-11
Intranasal heparin reduces eosinophil recruitment after nasal allergen challenge in patients with allergic rhinitis (Vancheri et al). 2001;108:703-8
A molecular model of type 1 allergy: identification and characterization of a nonanaphylactic anti-human IgE antibody fragment that blocks the IgE-FcεRI interaction and reacts with receptor-bound IgE (Laffer et al). 2001;108:409-16
Occupational allergy to bumblebees: allergens of Bombus terrestris (Hoffman et al). 2001;108:855-60
What should we tell allergic families about pets? (Marks). 2001;108:500-2 (Editorial)

Alternative medicine
Adverse and allergic reactions in complementary and alternative medicine (Wong). 2001;108:149 (Correspondence)

Anaphylaxis
Anaphylaxis at a fast-food outlet (Leung et al). 2001;108:155 (The editors' choice)
Anaphylaxis in response to a self-peptide (Zweiman and Rothenberg). 2001;108:153-4 (Beyond our pages)
Anaphylaxis to gelatin-containing rectal suppositories (Sakaguchi and Inouye). 2001;108:1033-4 (Brief communication)
Emergency department anaphylaxis: a review of 142 patients in a single year (Brown et al). 2001;108:861-6
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Food Allergy Herbal Formula-1 (FAHF-1) blocks peanut-induced anaphylaxis in a murine model (Li et al). 2001;108:639-46
Frequency of food-dependent, exercise-induced anaphylaxis in Japanese junior-high-school students (Aihara et al). 2001;108:1035-9
Infant epinephrine dosing in the first-aid treatment of anaphylaxis (Leung et al). 2001;108:879-80 (The editors' choice)
Isolation and characterization of barley lipid transfer protein and protein Z as beer allergens (García-Casado et al). 2001;108:647-9
Severe anaphylaxis induced by latex as a contaminant of plastic balls in play pits (Fiocchi et al). 2001;108:298-300

Animal allergy
Elimination of mouse allergens in the working environment: assessment of individually ventilated cage systems and ventilated cabinets in the containment of mouse allergens (Gordon et al). 2001;108:288-94

Antibody-based therapy
Antibody-directed therapy; past, present, and future (Gelfand). 2001;108:S111-6

Anticytokine therapy
Safety and effectiveness of anticytokine therapy in preclinical models (Leung et al). 2001;108:155 (The editors' choice)

Antigen-presenting cells
Antigen-presenting cells in allergy (von Bubnoff et al). 2001;108:329-39

Antihistamines
Antihistamines inhibit rhinovirus-induced ICAM-I in respiratory epithelium via novel mechanisms (Leung et al). 2001;108:156 (The editors' choice)

Antileukotriene therapy
Antileukotriene therapy for allergic fungal sinusitis (Schubert). 2001;108:466 (Letters to the editor)

Antiretroviral therapy
Markers of cell death-activation in lymphocytes of vertically HIV-infected children naive to highly active antiretroviral therapy: the role of age (Viganò et al). 2001;108:439-45

Apoptosis
Glucocorticoids induce basophil apoptosis (Yoshimura et al). 2001;108:215-20
How cells die: apoptosis pathways (Zimmermann and Green). 2001;108:S99-103
Selective modulation of chemokinesis, degranula-

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T-cell apoptosis in ICF syndrome (Pezzolo et al). 2001;108:310

ARIA; see Allergic rhinitis and its impact on asthma

Aspirin

Lack of cross-reactivity between rofecoxib and aspirin in aspirin-sensitive patients with asthma (Stevenson and Simon). 2001;108:47-51

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Factor analysis of asthma and atopy traits shows 2 major components, one of which is linked to markers on chromosome 5q (Holberg et al). 2001;108:772-80

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Role of a C-C chemokine receptor-5 polymorphism in asthma (Leung et al). 2001;108:1 (The editors' choice)

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The role of the C-C chemokine receptor-5 Δ32 polymorphism in asthma and in the production of regulated on activation, normal T cells expressed and secreted (Sandford et al). 2001;108:69-73
A safe nonsteroidal anti-inflammatory drug in aspirin-sensitive patients with asthma (Leung et al). 2001;108:2 (The editors' choice)
Screening for acetaldehyde dehydrogenase 2 genotype in alcohol-induced asthma by using the ethanol patch test (Matsuse et al). 2001;108:715-9
Signal transducer and activator of transcription 6 (STAT-6) expression and function in asthmatic bronchial epithelium (Mullings et al). 2001;108:832-8
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The therapeutic ratio of R-albuterol is comparable with that of RS-albuterol in asthmatic patients (Lötvall et al). 2001;108:726-31
Traffic congestion, ozone levels, and asthma morbidity (Zweiman and Rothenberg). 2001;108:657 (Beyond our pages)
The trials and tribulations of IL-5, eosinophils, and allergic asthma (O'Byrne et al). 2001;108:503-8
Variant eotaxin: its effects on the asthma phenotype (Nakamura et al). 2001;108:946-53

Atherosclerosis

Lipid signaling mechanism links autoimmunity and atherosclerosis (Zweiman and Rothenberg). 2001;108:1063-4 (Beyond our pages)

Atopic dermatitis; see Dermatitis, atopic

Atopy

(CCTTT)n repeat polymorphism in the NOS2 gene promoter is associated with atopy (Konno et al). 2001;108:810-4
Dog exposure in infancy decreases the subsequent risk of frequent wheeze but not of atopy (Remes et al). 2001;108:509-15
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B

Basophils

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Basophil recruitment and IL-4 production during human allergen-induced late asthma (Nouri-Aria et al). 2001;108:205-11
Basophils are recruited and express IL-4 during human allergen-induced asthma (Leung et al). 2001;108:156 (The editor's choice)
Glucocorticoids induce basophil apoptosis (Yoshimura et al). 2001;108:215-20
Nerve growth factor or IL-3 induces more IL-13 production from basophils of allergic subjects than from basophils of nonallergic subjects (Sin et al). 2001;108:387-93
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B cells

Immunostimulatory DNA inhibits IL-4-dependent IgE synthesis by human B cells (Homer et al). 2001;108:417-23

Beer

Isolation and characterization of barley lipid transfer protein and protein Z as beer allergens (García-Casado et al). 2001;108:647-9

Benzalkonium chloride (BAC)

Comment on call for worldwide withdrawal of BAC from nebulizer solution (Meyer). 2001;108:469 (Correspondence)
Comment on call for worldwide withdrawal of BAC from nebulizer solution (Beasley et al). 2001;108:470 (Reply)

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Differences in Bifidobacterium flora composition in allergic and healthy infants (Ouwehand et al). 2001;108:144-5 (Letters to the editor)

Brief communication

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Bronchitis

Chronic cough due to latex-induced eosinophilic bronchitis (Quirce et al). 2001;108:143 (Letters to the editor)

Bruton's tyrosine kinase (BTK)

Clinical and mutational characteristics of X-linked agammaglobulinemia and its carrier identified by flow cytometric assessment combined with genetic analysis (Kanegane et al). 2001;108:1012-20

Bumblebees allergy

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C

Cardiovascular diseases

Overview of infections and cardiovascular diseases (Vercellotti). 2001;108:S117-20

Carrot allergy

Carrot allergy: double-blinded, placebo-controlled

food challenge and identification of allergies (Ballmer-Weber et al). 2001;108:301-7
A study of carrot allergens (Leung et al). 2001;108:156 (The editors' choice)

Cat allergen
Decreased prevalence of sensitization to cats with high exposure to cat allergen (Custovic et al). 2001;108:537-9 (Brief communication)
Effectiveness of laundry washing agents and conditions in the removal of cat and dust mite allergen from bedding dust (Tovey et al). 2001;108:369-74
Exposure of asthmatics to cat allergen in school (Zweiman and Rothenberg). 2001;108:154 (Beyond our pages)
Fel d 1 levels in domestic living rooms are not related to cat color or hair length (Siebers et al). 2001;108:652-3 (Letters to the editor)
Proliferation and release of IL-5 and IFN-γ by peripheral blood mononuclear cells from cat-allergic asthmatics and rhinitis, non-cat-allergic asthmatics, and normal controls to peptides derived from Fel d 1 chain 1 (Haselden et al). 2001;108:349-56

CCR3 expression
Chemokine receptor expression profile of eosinophils at inflamed tissue sites: decreased CCR3 and increased CXCR4 expression by lung eosinophils (Nagase et al). 2001;108:563-9

CD4+ T cells
Dexamethasone inhibits the binding of nuclear factors to the IL-5 promoter in human CD4+ T cells (Quan et al). 2001;108:340-8

CD8+ T-cell subsets
Comparison of CD8+ T-cell subsets in HIV-infected rapid progressor children versus non-rapid progressor children (Paul et al). 2001;108:258-64

CD14 expression
Blunting airway eosinophilic inflammation results in a decreased airway neutrophil response to inhaled LPS in patients with atopic asthma: a role for CD14 (Alexis and Peden). 2001;108:577-80

CD63
CD63 expression on basophils of nonallergic controls and patients allergic to wasp (Schuerwegh et al). 2001;108:150-1 (Correspondence)

CD137 receptors
Functional CD137 receptors are expressed by eosinophils from patients with IgE-mediated allergic responses but not by eosinophils from patients with non-IgE-mediated eosinophilic disorders (Heinisch et al). 2001;108:21-8

Cell death
How cells die: apoptosis pathways (Zimmermann and Green). 2001;108:S99-103
Markers of cell death-activation in lymphocytes of vertically HIV-infected children naive to highly active antiretroviral therapy: the role of age (Viganò et al). 2001;108:439-45

Cell degranulation
Allergen challenge causes inflammation but not goblet cell degranulation in asthmatic subjects (Hays et al). 2001;108:784-90
IgE-mediated mast cell degranulation and recovery monitored by time-lapse photography (Xiang et al). 2001;108:116-21

Cetirizine
A double-blinded, randomized, placebo-controlled trial of cetirizine in preventing the onset of asthma in children with atopic dermatitis: 18 months' treatment and 18 months' posttreatment follow-up (Warner). 2001;108:929-37

Chemokine(s)
C-C chemokine receptor expression in asthmatics (Zweiman and Rothenberg). 2001;108:472 (Beyond our pages)
Critical TH2 cell chemokine receptor (Zweiman and Rothenberg). 2001;108:153 (Beyond our pages)
Functional expression of chemokine receptor 2 by normal human eosinophils (Dunzendorfer et al). 2001;108:581-7
Role of a C-C chemokine receptor-5 polymorphism in asthma? (Leung et al). 2001;108:1 (The editors' choice)
The role of the C-C chemokine receptor-5 Δ32 polymorphism in asthma and in the production of regulated on activation, normal T cells expressed and secreted (Sandford et al). 2001;108:69-73

Children
Assessing the effect of intranasal steroids on growth (Pedersen). 2001;108:S40-4
Bronchodilating and bronchoprotective effects of formoterol in asthmatic children (Zweiman and Rothenberg). 2001;108:877-8 (Beyond our pages)
Bronchodilating and bronchoprotective effects of formoterol in asthmatic children (Zweiman and Rothenberg). 2001;108:1063-4 (Beyond our pages)
Comparison of CD8+ T-cell subsets in HIV-infected rapid progressor children versus non-rapid progressor children (Paul et al). 2001;108:258-64
Could TH1 and TH2 diseases coexist? Evaluation of asthma incidence in children with coeliac disease, type 1 diabetes, or rheumatoid arthritis-a register study (Kero et al). 2001;108:781-3
Effective allergen avoidance reduces residual volume and sputum eosinophils in children with asthma (Peroni et al). 2001;108:308 (Letters to the editor)
Hev b 7 is a Hevea brasiliensis protein associated with latex allergy in children with spina bifida (Wagner et al). 2001;108:621-7
Home intervention in the treatment of asthma among inner-city children (Carter et al). 2001;108:732-7
Low-dose levalbuterol in children with asthma: safety and efficacy in comparison with placebo and racemic albuterol (Milgrom et al). 2001;108:938-45
The pattern of atopic sensitization is associated with

the development of asthma in childhood (Illi et al). 2001;108:709-14
Predictors of positive food challenge outcome in non-IgE-mediated reactions to food in children with atopic dermatitis (Niggemann et al). 2001;108:1053-8
Quality of life in adults and children with allergic rhinitis (Meltzer). 2001;108:S45-53
Response of preschool children with asthma symptoms to fluticasone propionate (Roorda et al). 2001;108:540-6
Risk factors for asthma in West African children (Leung et al). 2001;108:316 (The editors' choice)
Severe anaphylaxis induced by latex as a contaminant of plastic balls in play pits (Fiocchi et al). 2001;108:298-300
Sociodemographic correlates of indoor allergen sensitivity among United States children (Stevenson et al). 2001;108:747-52
Wheat ∇-5 gliadin is a major allergen in children with immediate allergy in ingested wheat (Palosuo et al). 2001;108:634-8

Chinese herbal therapy
Chinese herbs alter the differentiation of dendritic cells (Leung et al). 2001;108:474 (The editors' choice)
Standardized extracts from Chinese herbs induce IL-10 production in human monocyte-derived dendritic cells and alter their differentiation in vitro (Novak et al). 2001;108:588-93

Chromium salts
Allergenic cross-reactivity between nickel and chromium salts in electroplating-induced asthma (Sastre et al). 2001;108:650-1

Churg-Strauss syndrome
The relationship of asthma therapy and Churg-Strauss syndrome: NIH workshop summary report (Weller et al). 2001;108:175-83

Community pharmacist
The ability of the community pharmacist to learn the proper actuation techniques of inhaler devices (Cain et al). 2001;108:918-20

Conjunctivitis
Nedocromil sodium and levocabastine reduce the symptoms of conjunctival allergen challenge by different mechanisms (Ahluwalia et al). 2001;108:449-54

Correspondence; see also Letters
Adverse and allergic reactions in complementary and alternative medicine (Wong). 2001;108:149
Adverse and allergic reactions in complementary and alternative medicine (Ziment and Tashkin). 2001;108:149 (Letter reply)
Allergenicity of cry9c: an unresolved issue (Bernstein et al). 2001;108:655-6
Allergenicity of cry9c: an unresolved issue (Taylor and Hefle). 2001;108:656 (Letter reply)
Allergenic risk from novel plants is very important and difficult to predict (Bucchini et al). 2001;108:654
Allergenic risk from novel plants is very important and difficult to predict (Taylor and Hefle). 2001;108:654-5 (Letter reply)
CD63 expression on basophils of nonallergic controls and patients allergic to wasp (Schuerwegh et al). 2001;108:150-1
CD63 expression on basophils of nonallergic controls and patients allergic to wasp (Siegmund et al). 2001;108:151 (Letter reply)
Comment on call for worldwide withdrawal of BAC from nebulizer solution (Meyer). 2001;108:469
The etiologic factor of cleidocranial dysplasia (Golan et al). 2001;108:469
Exchange of comments on negative VST responses (Golden et al). 2001;108:876 (Letter reply)
Exchange of comments on negative VST responses (Graft et al). 2001;108:875
Probiotics: from anecdotes to clinical demonstration (Isolauri). 2001;108:1062
Role of mometasone furoate nasal spray as an adjunct treatment of acute sinusitis (Chowdhury and Meyer). 2001;108:148
Role of mometasone furoate nasal spray as an adjunct treatment of acute sinusitis (Meltzer). 2001;108:148-9 (Letter reply)

Corticosteroid(s)
Corticosteroids depress IFN-α-producing plasmacytoid dendritic cells in human blood (Shodell and Siegal). 2001;108:446-8 (Brief communication)
Corticosteroids in the treatment of pediatric allergic rhinitis (Scadding). 2001;108:S59-64
Corticosteroid therapy decreases the sensitivity of allergic asthmatics to inhaled LPS (Leung et al). 2001;108;473 (The editors' choice)
Cost-effectiveness of inhaled corticosteroids in adults with mild-to-moderate asthma: results from the Asthma Policy Model (Paltiel et al). 2001;108:39-46
Effects of intranasal corticosteroids on the hypothalamic-pituitary-adrenal axis in children (Boner). 2001;108:S32-9
Further evidence for cost-effectiveness of inhaled corticosteroids in mild to moderate asthma (Leung et al). 2001;108:2 (The editors' choice)
High constitutive glucocorticoid receptor b in human neutrophils enables then to reduce their spontaneous rate of cell death in response to corticosteroids (Zweiman and Rothenberg). 2001;108:313 (Beyond our pages)
Inhaled corticosteroid reduction and elimination in patients with persistent asthma receiving salmeterol: a randomized controlled trial (Zweiman and Rothenberg). 2001;108:877 (Beyond our pages)
Long-acting β2-agonist monotherapy versus continued therapy with inhaled corticosteroids in patients with persistent asthma: a randomized controlled trial (Zweiman and Rothenberg). 2001;108:877 (Beyond our pages)

Mode of action of intranasal corticosteroids (Mygind et al). 2001;108:S16-25
Pharmacokinetics of intranasal corticosteroids (Szefler). 2001;108:S26-31
Proinflammatory cytokines and eosinophil cationic protein on glandular secretion from human nasal mucosa: regulation by corticosteroids (Roca-Ferrer et al). 2001;108:87-93
Proliferation and activation of bronchial epithelial cells in corticosteroid-dependent asthma (Vignola et al). 2001;108:738-46

Costimulation
Blockade of costimulation proves effective for psoriasis (Zweiman and Rothenberg). 2001;108:1063-4 (Beyond our pages)
The role of CD28-B7 costimulation in allergen-induced cytokine release by bronchial mucosa from patients with moderately severe asthma (Lordan et al). 2001;108:976-81

Costimulatory molecules
Costimulatory molecules in the developing human gastrointestinal tract: a pathway for fetal allergen priming (Jones et al). 2001;108:235-41

Cough
Chronic cough due to latex-induced eosinophilic bronchitis (Quirce et al). 2001;108:143 (Letters to the editor)

Cry9c
Allergenicity of cry9c: an unresolved issue (Bernstein et al). 2001;108:655-6 (Correspondence)

Cry j 1
Roles of carbohydrates on Cry j 1, the major allergen of Japanese cedar pollen, in specific T-cell responses (Okano et al). 2001;108:101-8

CXCR4 expression
Chemokine receptor expression profile of eosinophils at inflamed tissue sites: decreased CCR3 and increased CXCR4 expression by lung eosinophils (Nagase et al). 2001;108:563-9

Cyclic nucleotide phosphodiesterases
Cyclic nucleotide phosphodiesterases (Essayan). 2001;108:671-80

Cystic fibrosis (CF)
Distinct pattern of immune cell population in the lung of human fetuses with cystic fibrosis (Hubeau et al). 2001;108:524-9
Imbalance in innate immunity: early inflammation in CF airways? (Leung et al). 2001;108:474 (The editors' choice)

Cytokine(s)
Effects of prednisone on the cellular responses and release of cytokines and mediators after segmental allergen challenge of asthmatic subjects (Liu et al). 2001;108:29-38
IL-17 is increased in asthmatic airways and induces human bronchial fibroblasts to produce cytokines (Molet et al). 2001;108:430-8
Immunostimulatory sequence DNA linked to the Amb a 1 allergen promotes TH1 cytokine expression while downregulating TH2 cytokine expression in PBMCs from human patients with ragweed allergy (Marshall et al). 2001;108:191-7
Proinflammatory cytokines and eosinophil cationic protein on glandular secretion from human nasal mucosa: regulation by corticosteroids (Roca-Ferrer et al). 2001;108:87-93
The role of CD28-B7 costimulation in allergen-induced cytokine release by bronchial mucosa from patients with moderately severe asthma (Lordan et al). 2001;108:976-81

D

Dendritic cells
Antigen-presenting cells in allergy (von Bubnoff et al). 2001;108:329-39
Chinese herbs alter the differentiation of dendritic cells (Leung et al). 2001;108:474 (The editors' choice)
Corticosteroids depress IFN-α-producing plasmacytoid dendritic cells in human blood (Shodell and Siegal). 2001;108:446-8 (Brief communication)
Increase of dendritic cells of type 2 (DC2) by altered response to IL-4 in atopic patients (Uchida et al). 2001;108:1005-11
Inhibition of human allergic T-cell responses by IL-10-treated dendritic cells: differences from hydrocortisone-treated dendritic cells (Bellinghausen et al). 2001;108:242-9
Multistep navigation of Langerhans and dendritic cells in and out of the skin (Jakob et al). 2001;108:688-96
Standardized extracts from Chinese herbs induce IL-10 production in human monocyte-derived dendritic cells and alter their differentiation in vitro (Novak et al). 2001;108:588-93

Dermatitis, atopic
The-590C/T and-34C/T interlukin-4 promoter polymorphisms are not associated with atopic eczema in childhood (Elliott et al). 2001;108:285-7
Atopic dermatitis is associated with a low-producer transforming growth factor b1 cytokine genotype (Arkwright et al). 2001;108:281-4
Different expression of cytokine and membrane molecules by circulating lymphocytes on acute mental stress in patients with atopic dermatitis in comparison with healthy controls (Schmid-Ott et al). 2001;108:455-62
A double-blinded, randomized, placebo-controlled trial of cetirizine in preventing the onset of asthma in children with atopic dermatitis: 18 months' treatment and 18 months' posttreatment follow-up (Warner). 2001;108:929-37
Effects of cefuroxime axetil on Staphylococcus aureus colonization and superantigen production in atopic dermatitis (Boguniewicz et al). 2001;108:651-2 (Letters to the editor)
Exposure to endotoxin decreases the risk of atopic eczema in infancy: a cohort study (Gehring et al). 2001;108:847-54

Expression of mRNA and secretion of IL-18 are reduced in monocytes from patients with atopic dermatitis (Higashi et al). 2001;108:607-14
Fibronectin and fibrinogen contribute to the enhanced binding of Staphylococcus aureus to atopic skin (Cho et al). 2001;108:269-74
Improvement in atopic dermatitis in infants with the introduction of an elemental formula (Woodmansee and Christiansen). 2001;108:309 (Letters to the editor)
Predictors of positive food challenge outcome in non-IgE-mediated reactions to food in children with atopic dermatitis (Niggemann et al). 2001;108:1053-8
Targeting keratinocyte apoptosis in the treatment of atopic dermatitis and allergic contact dermatitis (Trautmann et al). 2001;108:839-46

Dermatitis, contact
Targeting keratinocyte apoptosis in the treatment of atopic dermatitis and allergic contact dermatitis (Trautmann et al). 2001;108:839-46

Desloratadine
Effect of desloratadine and loratadine on rhinovirus-induced intercellular adhesion molecule 1 upregulation and promoter activation in respiratory epithelial cells (Papi et al). 2001;108:221-8

Diabetes
Could TH1 and TH2 diseases coexist? Evaluation of asthma incidence in children with coeliac disease, type 1 diabetes, or rheumatoid arthritis-a register study (Kero et al). 2001;108:781-3

Diplotaxis erucoides
Rhinoconjunctivitis and occupational asthma caused by Diplotaxis erucoides (wall rocket) (Brito et al). 2001;108:125-7

Dogs; see Pets

Drug reactions
Drug metabolism, danger signals, and drug-induced hypersensitivity (Gruchalla). 2001;108:475-88

Dust mite allergen
Effectiveness of laundry washing agents and conditions in the removal of cat and dust mite allergen from bedding dust (Tovey et al). 2001;108:369-74

Dysplasia
The etiologic factor of cleidocranial dysplasia (Golan et al). 2001;108:469 (Correspondence)

E

Eczema; see Dermatitis, atopic

Editorials
2001;108:497-9, 500-2, 681-4, 685-7, 891-4

Endotoxins
Exposure to endotoxin decreases the risk of atopic eczema in infancy: a cohort study (Gehring et al). 2001;108:847-54

Eosinophil(s)
Chemokine receptor expression profile of eosinophils at inflamed tissue sites: decreased CCR3 and increased CXCR4 expression by lung eosinophils (Nagase et al). 2001;108:563-9
Effective allergen avoidance reduces residual volume and sputum eosinophils in children with asthma (Peroni et al). 2001;108:308 (Letters to the editor)
Eosinophil levels in mice are significantly higher in small blood vessels than in large blood vessels (Brandt and Rothenberg). 2001;108:142-3 (Letters to the editor)
Functional CD137 receptors are expressed by eosinophils from patients with IgE-mediated allergic responses but not by eosinophils from patients with non-IgE-mediated eosinophilic disorders (Heinisch et al). 2001;108:21-8
Functional expression of chemokine receptor 2 by normal human eosinophils (Dunzendorfer et al). 2001;108:581-7
Human alveolar epithelial cells engulf apoptotic eosinophils by means of integrin-and phosphatidylserine receptor-dependent mechanisms: a process upregulated by dexamethasone (Sexton et al). 2001;108:962-9
IgE-and non-IgE-mediated eosinophilic responses: different CD137 expression by eosinophils (Leung et al). 2001;108:2 (The editors' choice)
IL-13 induces eosinophil recruitment into the lung by an IL-5 and eotaxin-dependent mechanism (Pope et al). 2001;108:594-601
Immunostimulatory DNA mediates inhibition of eosinophilic inflammation and airway hyperreactivity independent of natural killer cells in vivo (Broide et al). 2001;108:759-63
A report from the International Eosinophil Society: eosinophils in a tug of war (Lacy et al). 2001;108:895-900
Selective modulation of chemokinesis, degranulation, and apoptosis in eosinophils through the PGD2 receptors CRTH2 and DP (Gervais et al). 2001;108:982-8
The trials and tribulations of IL-5, eosinophils, and allergic asthma (O'Byrne et al). 2001;108:503-8

Eotaxin
Variant eotaxin: its effects on the asthma phenotype (Nakamura et al). 2001;108:946-53

Epinephrine
Epinephrine absorption in adults: intramuscular versus subcutaneous injection (Simons et al). 2001;108:871-3 (Brief communication)
Epinephrine for the out-of-hospital (first-aid) treatment of anaphylaxis in infants: is the ampule/syringe/needle method practical? (Simons et al). 2001;108:1040-4
Infant epinephrine dosing in the first-aid treatment of anaphylaxis (Leung et al). 2001;108:879-80 (The editors' choice)

Epithelial cells
Human alveolar epithelial cells engulf apoptotic eosinophils by means of integrin-and phos-

phatidylserine receptor-dependent mechanisms: a process upregulated by dexamethasone (Sexton et al). 2001;108:962-9
Modulation of bronchial epithelial cells by IL-17 (Kawaguchi et al). 2001;108:804-9
Proliferation and activation of bronchial epithelial cells in severe asthma (Leung et al). 2001;108:659-60 (The editors' choice)
Proliferation and activation of bronchial epithelial cells in corticosteroid-dependent asthma (Vignola et al). 2001;108:738-46

Erythritol
Allergic reactions after ingestion of erythritol-containing foods and beverages (Yunginger et al). 2001;108:650 (Letters to the editor)
Allergy to a simple chemical (Leung et al). 2001;108:473 (The editors' choice)

Esophagitis
Idiopathic eosinophilic esophagitis: evidence for an allergic disease (Leung et al). 2001;108:879-80 (The editors' choice)
Idiopathic eosinophilic esophagitis is associated with a TH2-type allergic inflammatory response (Straumann et al). 2001;108:954-61
Pathogenesis and clinical features of eosinophilic esophagitis (Rothenberg). 2001;108:891-4 (Editorial)

Ethanol patch test
Screening for acetaldehyde dehydrogenase 2 genotype in alcohol-induced asthma by using the ethanol patch test (Matsuse et al). 2001;108:715-9

Ethnic differences
Ethnic differences in asthma and associated phenotypes (Leung et al). 2001;108:315 (The editors' choice)

F

Factor analysis
Factor analysis of asthma and atopy traits shows 2 major components, one of which is linked to markers on chromosome 5q (Holberg et al). 2001;108:772-80

Familial cold autoinflammatory syndrome
Familial cold autoinflammatory syndrome: phenotype and genotype of an autosomal dominant periodic fever (Hoffman et al). 2001;108:615-20

Fas expression
Fas deficiency delays the resolution of airway hyperresponsiveness after allergen sensitization and challenge (Duez et al). 2001;108:547-56

Fast-food outlets
Anaphylaxis at a fast-food outlet (Leung et al). 2001;108:155 (The editors' choice)

Fibroblasts
IL-17 is increased in asthmatic airways and induces human bronchial fibroblasts to produce cytokines (Molet et al). 2001;108:430-8

Fibronectin
Fibronectin and fibrinogen contribute to the enhanced binding of Staphylococcus aureus to atopic skin (Cho et al). 2001;108:269-74

Fluticasone
GRβ expression in nasal polyp inflammatory cells and its relationship to the anti-inflammatory effects of intranasal fluticasone (Hamilos et al). 2001;108:59-68
Response of preschool children with asthma symptoms to fluticasone propionate (Roorda et al). 2001;108:540-6

Food allergies; see also specific types
Allergic reactions after ingestion of erythritol-containing foods and beverages (Yunginger et al). 2001;108:650 (Letters to the editor)
Clinical implications of cross-reactive food allergens (Sicherer). 2001;108:881-90
Food allergy after pediatric organ transplantation with tacrolimus immunosuppression (Nowak-Wegrzyn et al). 2001;108:146 (Letters to the editor)
Food Allergy Herbal Formula-1 (FAHF-1) blocks peanut-induced anaphylaxis in a murine model (Li et al). 2001;108:639-46
Manufacturing and labeling issues for commercial products: relevance to food allergy (Altschul et al). 2001;108:468 (Letters to the editor)
Peanut and tree nut allergic reactions in restaurants and other food establishments (Furlong et al). 2001;108:867-70
Population study of food allergy in France (Kanny et al). 2001;108:133-40
Predictors of positive food challenge outcome in non-IgE-mediated reactions to food in children with atopic dermatitis (Niggemann et al). 2001;108:1053-8
Russian roulette at the local food market (Leung et al). 2001;108:316 (The editors' choice)

Food safety
Allergenic risk from novel plants is very important and difficult to predict (Bucchini et al). 2001;108:654 (Correspondence)

Formoterol
Bronchodilating and bronchoprotective effects of formoterol in asthmatic children (Zweiman and Rothenberg). 2001;108:877-8 (Beyond our pages)
Bronchodilating and bronchoprotective effects of formoterol in asthmatic children (Zweiman and Rothenberg). 2001;108:1063-4 (Beyond our pages)

Formula, baby
Improvement in atopic dermatitis in infants with the introduction of an elemental formula (Woodmansee and Christiansen). 2001;108:309 (Letters to the editor)

G

Genetically modified (GM) foods
Allergenicity of cry9c: an unresolved issue (Bernstein et al). 2001;108:655-6 (Correspondence)
Allergenic risk from novel plants is very important and difficult to predict (Bucchini et al). 2001;108:654 (Correspondence)

Genetics
Allergic rhinitis and its impact on asthma: ARIA workshop report (Bousquet et al). 2001;108:S153-S161
Ethnic differences in asthma and associated phenotypes: collaborative study on the genetics of asthma (Lester et al). 2001;108:357-62
Genetics of airway hyperresponsiveness (De Sanctis et al). 2001;108:11-20
Genetics of allergen-induced asthma (Daser et al). 2001;108:167-74
Globulin therapy
FcγRIIB as a potential molecular target for intravenous gamma globulin therapy (Ott et al). 2001;108:S95-8
Use of intravenous gamma globulins in neuroimmunologic diseases (Latov et al). 2001;108:S126-32
Glucocorticoid(s)
Dexamethasone inhibits the binding of nuclear factors to the IL-5 promoter in human CD4+ T cells (Quan et al). 2001;108:340-8
Effects of prednisone on the cellular responses and release of cytokines and mediators after segmental allergen challenge of asthmatic subjects (Liu et al). 2001;108:29-38
Glucocorticoids induce basophil apoptosis (Yoshimura et al). 2001;108:215-20
GRβ expression in nasal polyp inflammatory cells and its relationship to the anti-inflammatory effects of intranasal fluticasone (Hamilos et al). 2001;108:59-68
High constitutive glucocorticoid receptor b in human neutrophils enables then to reduce their spontaneous rate of cell death in response to corticosteroids (Zweiman and Rothenberg). 2001;108:313 (Beyond our pages)
A novel pharmacologic action of glucocorticosteroids on leukotriene C4 catabolism (Zaitsu et al). 2001;108:122-4 (Brief communication)
Granisetron
IgE-mediated allergy to granisetron and safe use of ondansetron (Kanny et al). 2001;108:1059-60 (Letters to the editor)
Grass(es)
IFN-γ and IL-12 plasmid DNAs as vaccine adjuvant in a murine model of grass allergy (Kumar et al). 2001;108:402-8
Release of allergen-bearing cytoplasm from hydrated pollen: a mechanism common to a variety of grass (Poaceae) species revealed by electron microscopy (Grote et al). 2001;108;109-15
Graves' disease
Chronic urticaria/angioedema and Graves' disease: coexistence of 2 antireceptor antibody-mediated diseases (Irani et al). 2001;108:874 (Letters to the editor)
Growth in children
Assessing the effect of intranasal steroids on growth (Pedersen). 2001;108:S40-4

H

Heparin
Intranasal heparin reduces eosinophil recruitment after nasal allergen challenge in patients with allergic rhinitis (Vancheri et al). 2001;108:703-8
Histamine-releasing factor
Src homology 2 domain-containing inositol 5' phosphatase is negatively associated with histamine release to human recombinant histamine-releasing factor in human basophils (Vonakis et al). 2001;108:822-31
HIV infection
Comparison of CD8+ T-cell subsets in HIV-infected rapid progressor children versus non-rapid progressor children (Paul et al). 2001;108:258-64
Decline of CD3-positive T-cell counts by 6 months of age is associated with rapid disease progression in HIV-1-infected infants (Chinen et al). 2001;108:265-8
Markers of cell death-activation in lymphocytes of vertically HIV-infected children naive to highly active antiretroviral therapy: the role of age (Viganò et al). 2001;108:439-45
Honeybee allergy; see Venom allergy
Hygiene hypothesis
Further support for the hygiene hypothesis (Leung et al). 2001;108:474 (The editors' choice)
Hymenoptera venom
Patients still reacting to a sting challenge while receiving conventional Hymenoptera venom immunotherapy are protected by increased venom doses (Ruëff et al). 2001;108:1027-32
Hypersensitivity pneumonitis
Hypersensitivity pneumonitis: current concepts and future questions (Patel et al). 2001;108:661-70
Hypothalamic-pituitary-adrenal axis
Effects of intranasal corticosteroids on the hypothalamic-pituitary-adrenal axis in children (Boner). 2001;108:S32-9

I

Idiopathic eosinophilic esophagitis (IEE)
Idiopathic eosinophilic esophagitis: evidence for an allergic disease (Leung et al). 2001;108:879-80 (The editors' choice)
Idiopathic eosinophilic esophagitis is associated with a TH2-type allergic inflammatory response (Straumann et al). 2001;108:954-61
IgA production
A new pathway for IgA production (Zweiman and Rothenberg). 2001;108:658 (Beyond our pages)
IgE
Anti-thyroid peroxidase IgE in patients with chronic urticaria (Tedeschi et al). 2001;108:467-8 (Letters to the editor)
Association between a new polymorphism in the activation-induced cytidine deaminase gene and atopic asthma and the regulation of total serum IgE levels (Noguchi et al). 2001;108:382-6

Functional CD137 receptors are expressed by eosinophils from patients with IgE-mediated allergic responses but not by eosinophils from patients with non-IgE-mediated eosinophilic disorders (Heinisch et al). 2001;108:21-8

IgE-and non-IgE-mediated eosinophilic responses: different CD137 expression by eosinophils (Leung et al). 2001;108:2 (The editors' choice)

IgE-mediated allergy to granisetron and safe use of ondansetron (Kanny et al). 2001;108:1059-60 (Letters to the editor)

IgE-mediated mast cell degranulation and recovery monitored by time-lapse photography (Xiang et al). 2001;108:116-21

Increased total serum IgE levels in patients with asthma and promoter polymorphisms at CTLA4 and FCER1B (Hizawa et al). 2001;108:74-9

Inhibition of IgE production in vitro by intact and fragmented intravenous immunoglobulin (Zhuang and Mazer). 2001;108:229-34

A molecular model of type 1 allergy: identification and characterization of a nonanaphylactic anti-human IgE antibody fragment that blocks the IgE-FcεRI interaction and reacts with receptor-bound IgE (Laffer et al). 2001;108:409-16

Occupational IgE-mediated allergy after exposure to lupine seed flour (Crespo et al). 2001;108:295-7 (Brief communication)

Omalizumab, anti-IgE recombinant humanized monoclonal antibody, for the treatment of severe allergic asthma (Busse et al). 2001;108:184-90

Ig subclass deficiency

Analysis of Ig subclass deficiency: first reported case of IgG2, IgG4, and IgA deficiency caused by deletion of Cα1, ωCγ,Cγ2, Cγ4, and Cε in a Mongoloid patient (Terada et al). 2001;108:602-6

Immunity

Activation of toll-like receptors by microbial lipoproteins: role in host defense (Modlin). 2001;108:S104-6

Another breakthrough in innate immunity (Zweiman and Rothenberg). 2001;108:314 (Beyond our pages)

Endotoxin-stimulated innate immunity: a contributing factor for asthma (Reed and Milton). 2001;108:157-66

Imbalance in innate immunity: early inflammation in CF airways? (Leung et al). 2001;108:474 (The editors' choice)

Immunocytochemistry

Comparison of cellular composition of induced sputum analyzed with Wright staining and immunocytochemistry (Lemière et al). 2001;108:521-3 (Brief communication)

Immunoglobulin

Ensuring the pathogen safety of intravenous immunoglobulin and other human plasma-derived therapeutic proteins (Miller et al). 2001;108:S91-4

Evaluation and review: symposium covers indications for the use of intravenous immunoglobulin (Sacher). 2001;108:S89-90

FcγRIIB as a potential molecular target for intravenous gamma globulin therapy (Ott et al). 2001;108:S95-8

Immunoglobulin-mediated CNS repair (Warrington). 2001;108:S121-5

Inhibition of IgE production in vitro by intact and fragmented intravenous immunoglobulin (Zhuang and Mazer). 2001;108:229-34

Intravenous immunoglobulin consensus statement (Sacher). 2001;108:S139-46

Obstetric uses of intravenous immunoglobulin: successes, failures, and promises (Branch et al). 2001;108:S133-8

Use of intravenous immunoglobulin in the treatment of staphylococcal and streptococcal toxic shock syndrome and related illnesses (Schlievert). 2001;108:S107-10

Immunomodulatory drugs

The immunomodulatory drugs cyclosporin A, mycophenolate mofetil, and sirolimus (rapamycin) inhibit allergen-induced proliferation and IL-5 production by PBMCs from atopic asthmatic patients (Powell et al). 2001;108:915-7 (Brief communication)

Immunostimulatory DNA

Immunostimulatory DNA inhibits IL-4-dependent IgE synthesis by human B cells (Homer et al). 2001;108:417-23

Immunostimulatory DNA mediates inhibition of eosinophilic inflammation and airway hyperreactivity independent of natural killer cells in vivo (Broide et al). 2001;108:759-63

Immunostimulatory DNA sequences inhibit respiratory syncytial viral load, airway inflammation, and mucus secretion (Cho et al). 2001;108:697-702

Immunotherapy

"ARIA": global guidelines and new forms of allergen immunotherapy (Lockey). 2001;108:497-9 (Editorial)

Comparison of immunotherapy and nasal steroids in seasonal allergic rhinitis (Leung et al). 2001;108:879-80 (The editors' choice)

A double-blinded, comparative study of the effects of short preseason specific immunotherapy and topical steroids in patients with allergic rhinoconjunctivitis and asthma (Rak et al). 2001;108:921-8

Immunostimulatory sequence DNA linked to the Amb a 1 allergen promotes TH1 cytokine expression while downregulating TH2 cytokine expression in PBMCs from human patients with ragweed allergy (Marshall et al). 2001;108:191-7

Infants

Allergy development and the intestinal microflora during the first year of life (Björkstén et al). 2001;108:516-20

Decline of CD3-positive T-cell counts by 6 months of age is associated with rapid disease progression in HIV-1-infected infants (Chinen et al). 2001;108:265-8

Differences in Bifidobacterium flora composition in allergic and healthy infants (Ouwehand et al). 2001;108:144-5 (Letters to the editor)

Epinephrine for the out-of-hospital (first-aid) treatment of anaphylaxis in infants: is the ampule/syringe/needle method practical? (Simons et al). 2001;108:1040-4

Exposure to endotoxin decreases the risk of atopic eczema in infancy: a cohort study (Gehring et al). 2001;108:847-54

Improvement in atopic dermatitis in infants with the introduction of an elemental formula (Woodmansee and Christiansen). 2001;108:309 (Letters to the editor)

Infant epinephrine dosing in the first-aid treatment of anaphylaxis (Leung et al). 2001;108:879-80 (The editors' choice)

Infections; see also HIV infection

Overview of infections and cardiovascular diseases (Vercellotti). 2001;108:S117-20

Rhinovirus elicits proasthmatic changes in airway responsiveness independently of viral infection (Grunstein et al). 2001;108:997-1004

Inflammation; see Airway inflammation

Inhaler devices

The ability of the community pharmacist to learn the proper actuation techniques of inhaler devices (Cain et al). 2001;108:918-20

Insect allergy; see Stinging-insect allergy

Instability-facial anomalies (ICF) syndrome

T-cell apoptosis in ICF syndrome (Pezzolo et al). 2001;108:310

Interlukin-4 (IL-4)

The-590C/T and-34C/T interlukin-4 promoter polymorphisms are not associated with atopic eczema in childhood (Elliott et al). 2001;108:285-7

Basophil recruitment and IL-4 production during human allergen-induced late asthma (Nouri-Aria et al). 2001;108:205-11

Immunostimulatory DNA inhibits IL-4-dependent IgE synthesis by human B cells (Homer et al). 2001;108:417-23

Inhibitory effects of interlukin-4 (Zweiman and Rothenberg). 2001;108:471 (Beyond our pages)

Interlukin-5 (IL-5)

Dexamethasone inhibits the binding of nuclear factors to the IL-5 promoter in human CD4+ T cells (Quan et al). 2001;108:340-8

IL-13 induced pulmonary eosinophilia is mediated by both Il-5 and eotaxin (Leung et al). 2001;108:473 (The editors' choice)

IL-13 induces eosinophil recruitment into the lung by an IL-5 and eotaxin-dependent mechanism (Pope et al). 2001;108:594-601

The immunomodulatory drugs cyclosporin A, mycophenolate mofetil, and sirolimus (rapamycin) inhibit allergen-induced proliferation and IL-5 production by PBMCs from atopic asthmatic patients (Powell et al). 2001;108:915-7 (Brief communication)

Preclinical efficacy and safety of mepolizumab (SB-240563), a humanized monoclonal antibody to IL-5, in cynomolgus monkeys (Hart et al). 2001;108:250-7

The trials and tribulations of IL-5, eosinophils, and allergic asthma (O'Byrne et al). 2001;108:503-8

Interlukin-10 (IL-10)

Autocrine regulation of cord blood-derived human mast cell activation by IL-10 (Royer et al). 2001;108:80-6

Inhibition of human allergic T-cell responses by IL-10-treated dendritic cells: differences from hydrocortisone-treated dendritic cells (Bellinghausen et al). 2001;108:242-9

Standardized extracts from Chinese herbs induce IL-10 production in human monocyte-derived dendritic cells and alter their differentiation in vitro (Novak et al). 2001;108:588-93

Interlukin-11 (IL-11)

IL-11: Insights in asthma from overexpression transgenic modeling (Zheng et al). 2001;108:489-96

Interlukin-12 (IL-12)

IFN-γ and IL-12 plasmid DNAs as vaccine adjuvant in a murine model of grass allergy (Kumar et al). 2001;108:402-8

Reversal of human allergen-specific CRTH2+ TH2 cells by IL-12 or the PS-DSP30 oligodeoxynucleotide (Annunziato et al). 2001;108:815-21

Interlukin-13 (IL-13)

IL-13 induced pulmonary eosinophilia is mediated by both IL-5 and eotaxin (Leung et al). 2001;108:473 (The editors' choice)

IL-13 induces eosinophil recruitment into the lung by an IL-5 and eotaxin-dependent mechanism (Pope et al). 2001;108:594-601

Nerve growth factor or IL-3 induces more IL-13 production from basophils of allergic subjects than from basophils of nonallergic subjects (Sin et al). 2001;108:387-93

Interlukin-15 (IL-15)

Expression of IL-15 in inflammatory pulmonary diseases (Muro et al). 2001;108:970-5

Interlukin-17 (IL-17)

IL-17 is increased in asthmatic airways and induces human bronchial fibroblasts to produce cytokines (Molet et al). 2001;108:430-8

Modulation of bronchial epithelial cells by IL-17 (Kawaguchi et al). 2001;108:804-9

Role of IL-17 in airway inflammation and remodeling (Leung et al). 2001;108:316 (The editors' choice)

Interlukin-18 (IL-18)

Expression of mRNA and secretion of IL-18 are reduced in monocytes from patients with atopic dermatitis (Higashi et al). 2001;108:607-14

Intestinal microflora
Allergy development and the intestinal microflora during the first year of life (Björkstén et al). 2001;108:516-20

J

Japanese cedar pollen
Preclinical evaluation of an immunotherapeutic peptide comprising 7 T-cell determinants of Cry j 1 and Cry j 2, the major Japanese cedar pollen allergens (Hirahara et al). 2001;108:94-100
Roles of carbohydrates on Cry j 1, the major allergen of Japanese cedar pollen, in specific T-cell responses (Okano et al). 2001;108:101-8

L

Langerhans cells (LCs)
Multistep navigation of Langerhans and dendritic cells in and out of the skin (Jakob et al). 2001;108:688-96

Latex allergy
Hev b 7 is a Hevea brasiliensis protein associated with latex allergy in children with spina bifida (Wagner et al). 2001;108:621-7
Outcomes of a natural rubber latex control program in an Ontario teaching hospital (Tarlo et al). 2001;108:628-33
Severe anaphylaxis induced by latex as a contaminant of plastic balls in play pits (Fiocchi et al). 2001;108:298-300

Laundry washing agents
Effectiveness of laundry washing agents and conditions in the removal of cat and dust mite allergen from bedding dust (Tovey et al). 2001;108:369-74

Letters; see also Correspondence
Allergenic cross-reactivity between nickel and chromium salts in electroplating-induced asthma (Sastre et al). 2001;108:650-1
Allergic reactions after ingestion of erythritol-containing foods and beverages (Yunginger et al). 2001;108:650
Antileukotriene therapy for allergic fungal sinusitis (Schubert). 2001;108:466
Anti-thyroid peroxidase IgE in patients with chronic urticaria (Tedeschi et al). 2001;108:467-8
A case of onion allergy (Asero et al). 2001;108:309-10
Chronic cough due to latex-induced eosinophilic bronchitis (Quirce et al). 2001;108:143
Chronic urticaria/angioedema and Graves' disease: coexistence of 2 antireceptor antibody-mediated diseases (Irani et al). 2001;108:874 (Letters to the editor)
Differences in Bifidobacterium flora composition in allergic and healthy infants (Ouwehand et al). 2001;108:144-5
Effective allergen avoidance reduces residual volume and sputum eosinophils in children with asthma (Peroni et al). 2001;108:308
Effects of cefuroxime axetil on Staphylococcus aureus colonization and superantigen production in atopic dermatitis (Boguniewicz et al). 2001;108:651-2
Eosinophil levels in mice are significantly higher in small blood vessels than in large blood vessels (Brandt and Rothenberg). 2001;108:142-3
Fel d 1 levels in domestic living rooms are not related to cat color or hair length (Siebers et al). 2001;108:652-3
Food allergy after pediatric organ transplantation with tacrolimus immunosuppression (Nowak-Wegrzyn et al). 2001;108:146
Improvement in atopic dermatitis in infants with the introduction of an elemental formula (Woodmansee and Christiansen). 2001;108:309
A lipid transfer protein involved in occupational sensitization to spelt (Pastorello et al). 2001;108:145-6
Manufacturing and labeling issues for commercial products: relevance to food allergy (Altschul et al). 2001;108:468
Pretreatment with montelukast blocks NSAID-induced urticaria and angioedema (Perez et al). 2001;108:1060-1
Successful prevention of recurrent nasal polyposis by means of systemic low-dose IFN-α2a (Huber et al). 2001;108:141
T-cell apoptosis in ICF syndrome (Pezzolo et al). 2001;108:310
Unexpected spice allergy in meat industry (Cueva et al). 2001;108:144

Leukotriene(s)
Addition of a leukotriene antagonist to inhaled steroid therapy in chronic persistent asthma (Zweiman and Rothenberg). 2001;108:657 (Beyond our pages)
Lipid mediator class-switching (Zweiman and Rothenberg). 2001;108:657-8 (Beyond our pages)
A novel pharmacologic action of glucocorticosteroids on leukotriene C4 catabolism (Zaitsu et al). 2001;108:122-4

Levalbuterol; see Albuterol

Levocabastine
Nedocromil sodium and levocabastine reduce the symptoms of conjunctival allergen challenge by different mechanisms (Ahluwalia et al). 2001;108:449-54

Loratadine
Effect of desloratadine and loratadine on rhinovirus-induced intercellular adhesion molecule 1 upregulation and promoter activation in respiratory epithelial cells (Papi et al). 2001;108:221-8

Lupine allergy
Occupational IgE-mediated allergy after exposure to lupine seed flour (Crespo et al). 2001;108:295-7 (Brief communication)

M

Mast cells
The ascomycin macrolactam pimecrolimus (Elidel,

SDZ ASM 981) is a potent inhibitor of mediator release from human dermal mast cells and peripheral blood basophils (Zuberbier et al). 2001;108:275-80

Autocrine regulation of cord blood-derived human mast cell activation by IL-10 (Royer et al). 2001;108:80-6

IgE-mediated mast cell degranulation and recovery monitored by time-lapse photography (Xiang et al). 2001;108:116-21

Matrix metalloproteinases

Interactions between monocytes and smooth-muscle cells can lead to extracellular matrix degradation (Zhu et al). 2001;108:989-96

Matrix metalloproteinases and their inhibitors in the nasal mucosa of patients with perennial allergic rhinitis (Shaida et al). 2001;108:791-6

A murine model of toluene diisocyanate-induced asthma can be treated with matrix metalloproteinase inhibitor (Lee et al). 2001;108:1021-6

Mice

Allergic inflammation enhances bacterial sinusitis in mice (Leung et al). 2001;108:315 (The editors' choice)

Allergic inflammation enhances bacterial sinusitis in mice (Blair et al). 2001;108:424-9

Eosinophil levels in mice are significantly higher in small blood vessels than in large blood vessels (Brandt and Rothenberg). 2001;108:142-3 (Letters to the editor)

Monoclonal antibodies

Antibody-directed therapy; past, present, and future (Gelfand). 2001;108:S111-6

Omalizumab, anti-IgE recombinant humanized monoclonal antibody, for the treatment of severe allergic asthma (Busse et al). 2001;108:184-90

Preclinical efficacy and safety of mepolizumab (SB-240563), a humanized monoclonal antibody to IL-5, in cynomolgus monkeys (Hart et al). 2001;108:250-7

Monocytes

Expression of mRNA and secretion of IL-18 are reduced in monocytes from patients with atopic dermatitis (Higashi et al). 2001;108:607-14

Interactions between monocytes and smooth-muscle cells can lead to extracellular matrix degradation (Zhu et al). 2001;108:989-96

N

Nasal mucosa

Proinflammatory cytokines and eosinophil cationic protein on glandular secretion from human nasal mucosa: regulation by corticosteroids (Roca-Ferrer et al). 2001;108:87-93

Nasal polyposis

GRβ expression in nasal polyp inflammatory cells and its relationship to the anti-inflammatory effects of intranasal fluticasone (Hamilos et al). 2001;108:59-68

Steroid resistance takes a new form: hyperplastic nasal polyposis (Leung et al). 2001;108:1 (The editors' choice)

Successful prevention of recurrent nasal polyposis by means of systemic low-dose IFN-α2a (Huber et al). 2001;108:141

Nasal spray

Role of mometasone furoate nasal spray as an adjunct treatment of acute sinusitis (Chowdhury and Meyer). 2001;108:148 (Correspondence)

Safety and efficacy of mometasone furoate aqueous nasal spray in children with allergic rhinitis: results of recent clinical trials (Dibildox). 2001;108:S54-8

Nebulizer chloride

Comment on call for worldwide withdrawal of BAC from nebulizer solution (Meyer). 2001;108:469 (Correspondence)

Comment on call for worldwide withdrawal of BAC from nebulizer solution (Beasley et al). 2001;108:470 (Reply)

Nedocromil sodium

Nedocromil sodium and levocabastine reduce the symptoms of conjunctival allergen challenge by different mechanisms (Ahluwalia et al). 2001;108:449-54

Nerve growth factor (NGF)

Nerve growth factor or IL-3 induces more IL-13 production from basophils of allergic subjects than from basophils of nonallergic subjects (Sin et al). 2001;108:387-93

Neuroimmunologic diseases

Use of intravenous gamma globulins in neuroimmunologic diseases (Latov et al). 2001;108:S126-32

Nickel salts

Allergenic cross-reactivity between nickel and chromium salts in electroplating-induced asthma (Sastre et al). 2001;108:650-1

Nonsteroidal anti-inflammatory drugs (NSAIDs)

Pretreatment with montelukast blocks NSAID-induced urticaria and angioedema (Perez et al). 2001;108:1060-1

A safe nonsteroidal anti-inflammatory drug in aspirin-sensitive patients with asthma (Leung et al). 2001;108:2 (The editors' choice)

O

Oligodeoxynucleotides (ODNs)

The enhanced effect of a hexameric deoxyriboguanosine run conjugation to CpG oligodeoxynucleotides on protection against allergic asthma (Park et al). 2001;108:570-6

Reversal of human allergen-specific CRTH2+ TH2 cells by IL-12 or the PS-DSP30 oligodeoxynucleotide (Annunziato et al). 2001;108:815-21

Ondansetron

IgE-mediated allergy to granisetron and safe use of ondansetron (Kanny et al). 2001;108:1059-60 (Letters to the editor)

Onion allergy
A case of onion allergy (Asero et al). 2001;108:309-10 (Letters to the editor)
Organ transplantation
Food allergy after pediatric organ transplantation with tacrolimus immunosuppression (Nowak-Wegrzyn et al). 2001;108:146 (Letters to the editor)
Otitis media
Effect of the early or delayed insertion of tympanostomy tubes for persistent otitis media with effusion on developmental outcomes at age 3 years (Zweiman and Rothenberg). 2001;108:313-4 (Beyond our pages)
Ozone levels
Traffic congestion, ozone levels, and asthma morbidity (Zweiman and Rothenberg). 2001;108:657 (Beyond our pages)

P

Pathogen safety
Ensuring the pathogen safety of intravenous immunoglobulin and other human plasma-derived therapeutic proteins (Miller et al). 2001;108:S91-4
Peanut allergies
Food Allergy Herbal Formula-1 (FAHF-1) blocks peanut-induced anaphylaxis in a murine model (Li et al). 2001;108:639-46
More lessons to be learned about peanut and tree nut allergies (Leung et al). 2001;108:1 (The editors' choice)
Peanut and tree nut allergic reactions in restaurants and other food establishments (Furlong et al). 2001;108:867-70
A voluntary registry for peanut and tree nut allergy: characteristics of the first 5149 registrants (Sicherer et al). 2001;108:128-32
Peptide immunotherapy
Preclinical evaluation of an immunotherapeutic peptide comprising 7 T-cell determinants of Cry j 1 and Cry j 2, the major Japanese cedar pollen allergens (Hirahara et al). 2001;108:94-100
Pets
Dog exposure in infancy decreases the subsequent risk of frequent wheeze but not of atopy (Remes et al). 2001;108:509-15
What should we tell allergic families about pets? (Marks). 2001;108:500-2 (Editorial)
PGD2 receptors
Selective modulation of chemokinesis, degranulation, and apoptosis in eosinophils through the PGD2 receptors CRTH2 and DP (Gervais et al). 2001;108:982-8
Phenotypes
Ethnic differences in asthma and associated phenotypes: collaborative study on the genetics of asthma (Lester et al). 2001;108:357-62
Ethnic differences in asthma and associated phenotypes (Leung et al). 2001;108:315 (The editors' choice)
Phosphodiesterase inhibitors
The phosphodiesterase 4 inhibitor roflumilast is effective in the treatment of allergic rhinitis (Schmidt et al). 2001;108:530-6
Phosphodiesterases
Cyclic nucleotide phosphodiesterases (Essayan). 2001;108:671-80
Pimecrolimus
The ascomycin macrolactam pimecrolimus (Elidel, SDZ ASM 981) is a potent inhibitor of mediator release from human dermal mast cells and peripheral blood basophils (Zuberbier et al). 2001;108:275-80
Plasma proteins
Ensuring the pathogen safety of intravenous immunoglobulin and other human plasma-derived therapeutic proteins (Miller et al). 2001;108:S91-4
Plasmid
IFN-γ and IL-12 plasmid DNAs as vaccine adjuvant in a murine model of grass allergy (Kumar et al). 2001;108:402-8
Pollen allergy
Release of allergen-bearing cytoplasm from hydrated pollen: a mechanism common to a variety of grass (Poaceae) species revealed by electron microscopy (Grote et al). 2001;108;109-15
Polymorphism
(CCTTT)n repeat polymorphism in the NOS2 gene promoter is associated with atopy (Konno et al). 2001;108:810-4
The-590C/T and-34C/T interlukin-4 promoter polymorphisms are not associated with atopic eczema in childhood (Elliott et al). 2001;108:285-7
Association between a new polymorphism in the activation-induced cytidine deaminase gene and atopic asthma and the regulation of total serum IgE levels (Noguchi et al). 2001;108:382-6
Increased total serum IgE levels in patients with asthma and promoter polymorphisms at CTLA4 and FCER1B (Hizawa et al). 2001;108:74-9
Polymorphism in the gene regulatory region of MCP-1 is associated with asthma susceptibility and severity (Szalai et al). 2001;108:375-81
Polymorphism in the regulatory region of MCP-1 is associated with asthma (Leung et al). 2001;108:315 (The editors' choice)
Possible role of the 4G/5G polymorphism of the plasminogen activator inhibitor 1 gene in the development of asthma (Cho et al). 2001;108:212-4
Role of a C-C chemokine receptor-5 polymorphism in asthma (Leung et al). 2001;108:1 (The editors' choice)
The role of the C-C chemokine receptor-5 Δ32 polymorphism in asthma and in the production of regulated on activation, normal T cells expressed and secreted (Sandford et al). 2001;108:69-73
Prednisone
Effects of prednisone on the cellular responses and release of cytokines and mediators after segmen-

tal allergen challenge of asthmatic subjects (Liu et al). 2001;108:29-38

Probiotics
Probiotics: from anecdotes to clinical demonstration (Isolauri). 2001;108:1062 (Correspondence)

Psoriasis
Blockade of costimulation proves effective for psoriasis (Zweiman and Rothenberg). 2001;108:1063-4 (Beyond our pages)

Pulmonary diseases
Expression of IL-15 in inflammatory pulmonary diseases (Muro et al). 2001;108:970-5

R

Racial disparities
Sociodemographic correlates of indoor allergen sensitivity among United States children (Stevenson et al). 2001;108:747-52

Ragweed allergy
Immunostimulatory sequence DNA linked to the Amb a 1 allergen promotes TH1 cytokine expression while downregulating TH2 cytokine expression in PBMCs from human patients with ragweed allergy (Marshall et al). 2001;108:191-7

Respiratory syncytial virus
Immunostimulatory DNA sequences inhibit respiratory syncytial viral load, airway inflammation, and mucus secretion (Cho et al). 2001;108:697-702

Rhinitis; see Allergic rhinitis

Rhinoconjunctivitis
Rhinoconjunctivitis and occupational asthma caused by Diplotaxis erucoides (wall rocket) (Brito et al). 2001;108:125-7

Rhinovirus(es)
Antihistamines inhibit rhinovirus-induced ICAM-I in respiratory epithelium via novel mechanisms (Leung et al). 2001;108:156 (The editors' choice)
Effect of desloratadine and loratadine on rhinovirus-induced intercellular adhesion molecule 1 upregulation and promoter activation in respiratory epithelial cells (Papi et al). 2001;108:221-8
Rhinovirus elicits proasthmatic changes in airway responsiveness independently of viral infection (Grunstein et al). 2001;108:997-1004

Rofecoxib
Lack of cross-reactivity between rofecoxib and aspirin in aspirin-sensitive patients with asthma (Stevenson and Simon). 2001;108:47-51

S

Sensitization
Decreased prevalence of sensitization to cats with high exposure to cat allergen (Custovic et al). 2001;108:537-9 (Brief communication)

Signal transduction
Signal transducer and activator of transcription 6 (STAT-6) expression and function in asthmatic bronchial epithelium (Mullings et al). 2001;108:832-8

Sinusitis
Allergic inflammation enhances bacterial sinusitis in mice (Leung et al). 2001;108:315 (The editors' choice)
Allergic inflammation enhances bacterial sinusitis in mice (Blair et al). 2001;108:424-9
Antileukotriene therapy for allergic fungal sinusitis (Schubert). 2001;108:466 (Letters to the editor)
Role of mometasone furoate nasal spray as an adjunct treatment of acute sinusitis (Chowdhury and Meyer). 2001;108:148 (Correspondence)

Smooth-muscle cells
Interactions between monocytes and smooth-muscle cells can lead to extracellular matrix degradation (Zhu et al). 2001;108:989-96

Solitary nucleus
Extended allergen exposure in asthmatic monkeys induces neuroplasticity in nucleus tractus solitarius (Chen et al). 2001;108:557-62

Spelt sensitization
A lipid transfer protein involved in occupational sensitization to spelt (Pastorello et al). 2001;108:145-6 (Letters to the editor)

Spice allergy
Unexpected spice allergy in meat industry (Cueva et al). 2001;108:144 (Letters to the editor)

Spina bifida
Hev b 7 is a Hevea brasiliensis protein associated with latex allergy in children with spina bifida (Wagner et al). 2001;108:621-7

Sputum
Comparison of cellular composition of induced sputum analyzed with Wright staining and immunocytochemistry (Lemière et al). 2001;108:521-3 (Brief communication)

Staphylococcus aureus
Effects of cefuroxime axetil on Staphylococcus aureus colonization and superantigen production in atopic dermatitis (Boguniewicz et al). 2001;108:651-2 (Letters to the editor)
Fibronectin and fibrinogen contribute to the enhanced binding of Staphylococcus aureus to atopic skin (Cho et al). 2001;108:269-74
Use of intravenous immunoglobulin in the treatment of staphylococcal and streptococcal toxic shock syndrome and related illnesses (Schlievert). 2001;108:S107-10

Stem cell biology
A common hematopoietic and epithelial stem cell (Zweiman and Rothenberg). 2001;108:472 (Beyond our pages)

Steroid(s)
Addition of a leukotriene antagonist to inhaled steroid therapy in chronic persistent asthma (Zweiman and Rothenberg). 2001;108:657 (Beyond our pages)
Assessing the effect of intranasal steroids on growth (Pedersen). 2001;108:S40-4
Comparison of immunotherapy and nasal steroids in

seasonal allergic rhinitis (Leung et al). 2001;108:879-80 (The editors' choice)
Decreased steroid responsiveness at night in nocturnal asthma: is the macrophage responsible? (Zweiman and Rothenberg). 2001;108:471 (Beyond our pages)
A double-blinded, comparative study of the effects of short preseason specific immunotherapy and topical steroids in patients with allergic rhinoconjunctivitis and asthma (Rak et al). 2001;108:921-8
Steroid resistance takes a new form: hyperplastic nasal polyposis (Leung et al). 2001;108:1 (The editors' choice)

Steroid-sparing agents
Alternative agents in asthma (Frew and Plummeridge). 2001;108:3-10

Stinging-insect allergy
Antibody binding to venom carbohydrates is a frequent cause for double positivity to honeybee and yellow jacket venom in patients with stinging-insect allergy (Hemmer et al). 2001;108:1045-52

Stress
Different expression of cytokine and membrane molecules by circulating lymphocytes on acute mental stress in patients with atopic dermatitis in comparison with healthy controls (Schmid-Ott et al). 2001;108:455-62

Suppositories
Anaphylaxis to gelatin-containing rectal suppositories (Sakaguchi and Inouye). 2001;108:1033-4 (Brief communication)

T

T cell(s)
Decline of CD3-positive T-cell counts by 6 months of age is associated with rapid disease progression in HIV-1-infected infants (Chinen et al). 2001;108:265-8
Inhibition of human allergic T-cell responses by IL-10-treated dendritic cells: differences from hydrocortisone-treated dendritic cells (Bellinghausen et al). 2001;108:242-9
Late asthmatic reactions provoked by intradermal injection of T-cell peptide epitopes are not associated with bronchial mucosal infiltration of eosinophils or TH2-type cells or with elevated concentrations of histamine or eicosanoids in, bronchoalveolar fluid (Haselden et al). 2001;108:394-401
Preclinical evaluation of an immunotherapeutic peptide comprising 7 T-cell determinants of Cry j 1 and Cry j 2, the major Japanese cedar pollen allergens (Hirahara et al). 2001;108:94-100
Roles of carbohydrates on Cry j 1, the major allergen of Japanese cedar pollen, in specific T-cell responses (Okano et al). 2001;108:101-8

Toll-like receptors
Activation of toll-like receptors by microbial lipoproteins: role in host defense (Modlin). 2001;108:S104-6

Toluene diisocyanate
A murine model of toluene diisocyanate-induced asthma can be treated with matrix metalloproteinase inhibitor (Lee et al). 2001;108:1021-6

Tonsillectomy
The role of adjuvant adenoidectomy and tonsillectomy in the outcome of the insertion of tympanostomy tubes (Zweiman and Rothenberg). 2001;108:314 (Beyond our pages)

Toxic shock syndrome
Use of intravenous immunoglobulin in the treatment of staphylococcal and streptococcal toxic shock syndrome and related illnesses (Schlievert). 2001;108:S107-10

Transforming growth factor
Atopic dermatitis is associated with a low-producer transforming growth factor β1 cytokine genotype (Arkwright et al). 2001;108:281-4

Tree nut allergies
More lessons to be learned about peanut and tree nut allergies (Leung et al). 2001;108:1 (The editors' choice)
Peanut and tree nut allergic reactions in restaurants and other food establishments (Furlong et al). 2001;108:867-70
A voluntary registry for peanut and tree nut allergy: characteristics of the first 5149 registrants (Sicherer et al). 2001;108:128-32

Twins, identical
Concordance and interrelationship of atopic diseases and markers of allergic sensitization among adult female twins (Strachan et al). 2001;108:901-7

Tympanostomy
Effect of the early or delayed insertion of tympanostomy tubes for persistent otitis media with effusion on developmental outcomes at age 3 years (Zweiman and Rothenberg). 2001;108:313-4 (Beyond our pages)
The role of adjuvant adenoidectomy and tonsillectomy in the outcome of the insertion of tympanostomy tubes (Zweiman and Rothenberg). 2001;108:314 (Beyond our pages)

U

Urticaria
Anti-thyroid peroxidase IgE in patients with chronic urticaria (Tedeschi et al). 2001;108:467-8 (Letters to the editor)
Chronic urticaria/angioedema and Graves' disease: coexistence of 2 antireceptor antibody-mediated diseases (Irani et al). 2001;108:874 (Letters to the editor)
Pretreatment with montelukast blocks NSAID-induced urticaria and angioedema (Perez et al). 2001;108:1060-1

V

Venom allergy
Antibody binding to venom carbohydrates is a frequent cause for double positivity to honeybee and yellow jacket venom in patients with stinging-insect allergy (Hemmer et al). 2001;108:1045-52

Venom immunotherapy
Patients still reacting to a sting challenge while receiving conventional Hymenoptera venom immunotherapy are protected by increased venom doses (Ruëff et al). 2001;108:1027-32

Venom skin test
Exchange of comments on negative VST responses (Golden et al). 2001;108:876 (Letter reply)
Exchange of comments on negative VST responses (Graft et al). 2001;108:875 (Correspondence)

Viral infection
Rhinovirus elicits proasthmatic changes in airway responsiveness independently of viral infection (Grunstein et al). 2001;108:997-1004

W

Wasp allergy
CD63 expression on basophils of nonallergic controls and patients allergic to wasp (Schuerwegh et al). 2001;108:150-1 (Correspondence)

Wheat allergy
Wheat ∇-5 gliadin is a major allergen in children with immediate allergy in ingested wheat (Palosuo et al). 2001;108:634-8

Wheezing
Dog exposure in infancy decreases the subsequent risk of frequent wheeze but not of atopy (Remes et al). 2001;108:509-15

World Health Organization (WHO)
Allergic rhinitis and its impact on asthma: ARIA workshop report (Bousquet et al). 2001;108:S148-S270

X

X-linked agammaglobulinemia
Clinical and mutational characteristics of X-linked agammaglobulinemia and its carrier identified by flow cytometric assessment combined with genetic analysis (Kanegane et al). 2001;108:1012-20

Y

Yellow jacket allergy; see Venom allergy